CHEMICAL MARKETS

Established 1914

The Weekly Business Periodical of the
Chemical Process Industries

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NYQ

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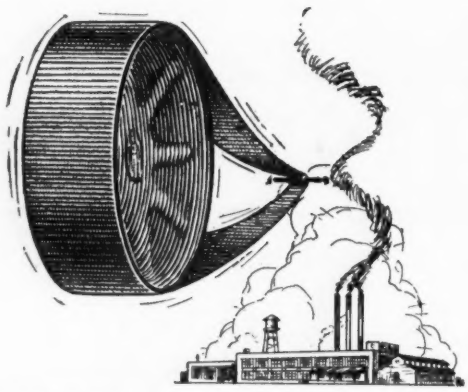

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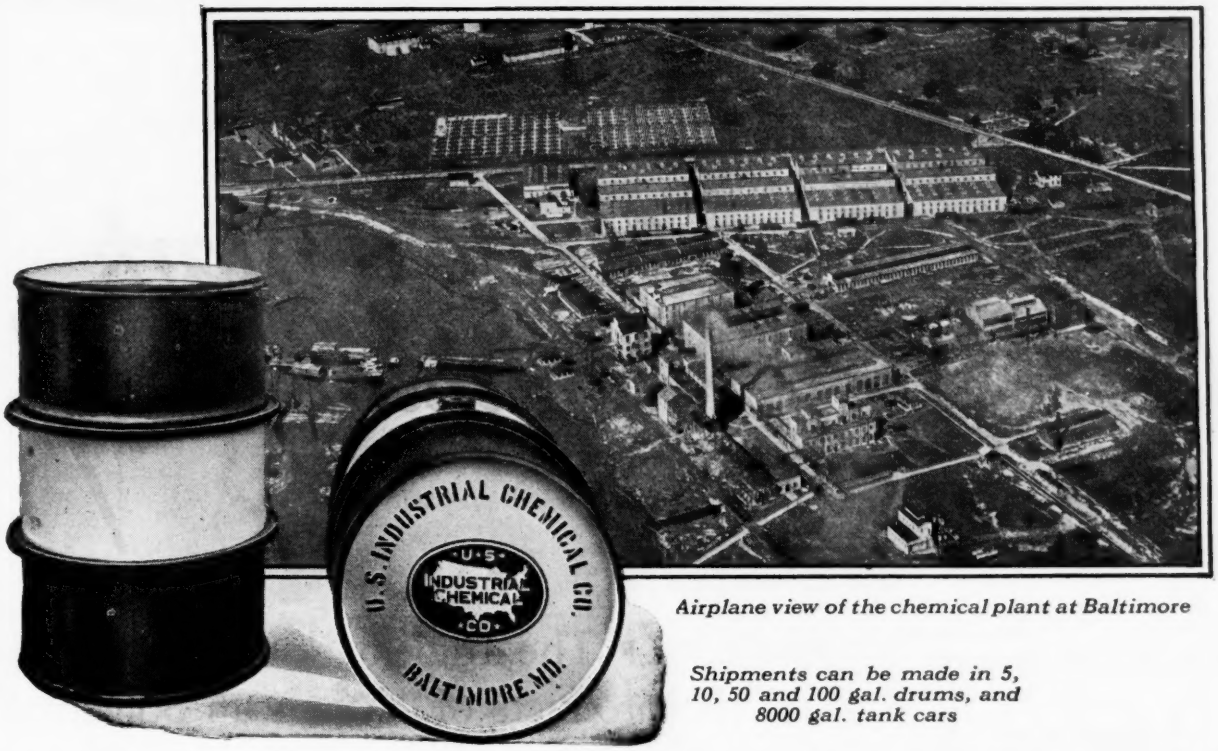

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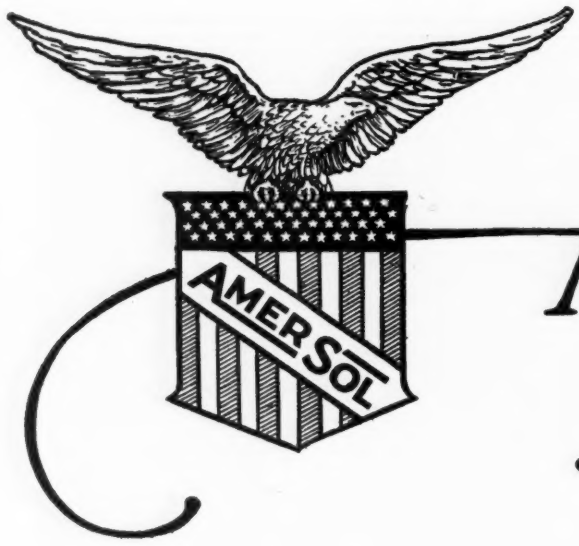

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CHEMICAL MARKETS

VOL. XIX NEW YORK, NOVEMBER 25, 1926 No. 29

Fuel, Fertilizer and Forests

FOR some years now it has been made plain to the chemical world that these three were to become the chief raw material problems of the immediate future and that their several solutions would have to come through the aid of chemistry. It is but a repetition of industrial history that just when the man in the street is beginning to sense the vital importance of these problems, already the general line along which their solutions are to be found has been plainly indicated by chemists. While our newspapers are balancing a six years estimated gasoline supply against a forecast of forty million automobiles within five years our scientific journals are speculating on the energy locked up in radium and uranium. Already our industrialists are making ready to produce motor fuel from liquid coal and through gas pressure synthesis, and to make a high compression motor of greatly increased mile-per-gallon capacity. As Sir James Irvine has pointed out, chemical theory precedes industrial practice, which, in turn, is able to keep ahead of human needs.

AS with motor fuel, so with rubber and cellulose—those two forest products upon which our new mechanics and our new chemistry have called so heavily—already solutions are in sight. Even more definite is the answer to the age-old demand for agricultural nitrogen, the most important and always the most costly plant food. The progress here, while it certainly appears much less startling, is fundamentally of greatest importance.

FOR there is a vast difference in value between the raw materials necessary to our industries and the raw materials essential to sustain human life. Dealing as it does with both, the chemical industry, since it will constantly be called upon more and more to solve such problems, needs to hold before it these distinctions. The demands of life are constant. At least eight chemical elements are essential. It is quite inconceivable that we shall ever be able to make any substitutions comparable to the constantly changing products consumed in our factories. We can replace amber with bakelite, ivory with celluloid, silk with rayon, leather with keratol; but meat, sugar, cereals, and fats, except in the sensation-peddling Sunday supplements, are not to be replaced by products of the chemical plant.

THESE considerations have a direct bearing on industrial wastes and chemical by-products. They make very plain the foolishness of saving up chemical wastes for future generations or of working them up for present use unless a profitable demand exists.

COAL AND CHEMISTRY

At the Conference on Bituminous Coal held at Pittsburgh last week, the importance of coal to the chemical industry was stressed from at least two new angles. The paper presented by Mr. Patart called attention to the fact that heretofore chemistry has only been concerned with the utilization of a by-product of coal, the quantity and constituents of which were directly dependent on the production of coke for other industries. Although there is more than sufficient coal-tar produced to yield the needs of these products, no attempt has heretofore been made to control the methods of producing coke to obtain products that are not at all yielded in present coking operations. The taking of coal as a raw material for the production of desired chemical products alone is decidedly a new angle in this connection and one that promises to entirely revolutionize the methods of obtaining many of our organic chemicals.

The importance of coal to the chemical industry is presented in still another way by Dr. Bergius in his process for obtaining motor fuel, and in fact, a whole series of products analogous to those at present obtained from crude petroleum. The chemical industry and the petroleum industry during recent years have been very closely related—due to the development of chemical anti-knock compounds on one hand, and due to the recovery of various higher alcohols from cracking operations on the other.

Coal will in all probability have a greater influence on the trend of developments in the chemical industry than any other single force for some time to come. It opens up a myriad of possibilities that are not even dreamed of today.

The chemical industry is aiding the cotton farmers in still another way in addition to using cotton linters and cottonseed oil as raw materials and increasing their yields by improved fertilizers and insecticides. International Salt Company and A. E. Staley Manufacturing Company, as well as other factors in the chemical trade are planning to use cotton bags rather than jute bags in making shipments. As cotton bags cost more than jute bags, these manufacturers are willing to absorb the difference in price in order to aid the textile industry. Here is a commendable example of industrial cooperation.

Ammonia prices are again demoralized. Another maker has attempted to market his product and has found the demand already greatly over-produced. Such over-production existing in an industry that is just recovering from the effects of this same evil following the boom times of the war, is a sad spectacle. Red ink is certain to appear on the ledgers of at least some makers if prices continue to decline, and unless new large outlets for consumption open up in the near future due to the lowering of prices, the law of the survival of the fittest is bound to apply.

Although prices for sodium prussiate are higher for next year, and although these prices are higher than at any time since the beginning of 1924, still they are sharply below the quotations prevailing at any time at least back to 1914, when importers were in absolute control of the market.

[*Ten Years Ago*]

(From "Drug & Chemical Markets," Nov. 22, 1916)

An order for several thousand tons of toluol was closed in New York last week, for 1917 delivery, with representatives of several of the largest steel and gas producing companies.

About 30,000,000 gallons of benzol (120,000 tons); 8,000,000 gallons of toluol (30,000 tons), and 12,500 tons refined naphthalene will be produced by the by-product coke ovens by the end of the year.

United States has usurped Germany's place as best customer for Chilean nitrate.

Dow Chemical Co., Midland, Mich., has declared an extra dividend of $5 a share.

Quotations on sodium prussiate were 40c a pound with aparently liberal supplies. In some quarters as low as 38c a pound was heard. An atmospheric product of sodium prussiate was quoted at 45c a pound spot.

Sales of sodium bichromate were said to have been made at 21c a pound.

Second hands were quoting potassium chlorate 65c, an advance of 2c over last week's quotations.

General Chemical Co. has declared extra dividends on common stock, amounting to 20 per cent and raised the regular dividend from 6 to 8 per cent a year.

Phillip Bros., New York, chemicals and metals, have incorporated, capital $25,000. F. S. Cole, W. C. Wilcox, T. W. Mills, 29 Broadway.

"THE BIGGER THE BETTER!"

—Kansas City Star, Copyright, 1926.

SYNTHESIS *from* COAL

By Georges Patart

Inspecteur General des Poudres, France

Utilization of coal solely as a raw material for the production of chemical products, rather than obtaining small percentages of chemical by-products, was discussed by Mr. Patart at the International Conference on Bituminous Coal, held at Pittsburgh last week. His paper is extracted here.

THE use of bituminous coal as a raw material for chemical manufacturing, dates back to the origin of manufacture of coke and gas, in which by-products of distillation of coal were utilized. But this utilization was indirect and rudimentary. It was only in attempting to profit from one of the by-products of distillation, tar, that one thought of deriving from its organic products whose exploitation has, moreover, given rise to one of the most important chemical industries, that of dyestuffs. But these tars represent only a by-product of very small importance, since they constitute scarcely 5% of the amount of coal distilled, and in the tar itself the elements usable in the chemical industry (benzol, toluol, phenol, naphthalene, anthracene, etc.) are present only in very small proportions.

Considerable effort has been made in recovery of by-products, to systematize modifications undergone by coal in distillation, to improve upon crudeness of old methods, and to prevent decomposition of by-products that result. It is thus that so-called "low-temperature" carbonization, in which no part of the charry mass is subjected to a temperature higher than 600° C., yielded tar in more abundant quantities than previous processes; and this tar differed from that obtained with temperatures of 1000° C. in its much greater fluidity, in its content in free carbon, in almost total absence of aromatic hydrocarbons such as benzol and toluol, and in its important proportions of higher phenols of which certain ones were very viscous and even resinous. Up to the present these tars, whose composition varies according to the nature of the coal, and is still insufficiently known, have been put on the chemical market only in relatively small quantities, and have not yet found the utilization that will not be lacking when the chemical industry knows that it can have sufficient quantities at its disposal.

Numerous studies undertaken to better processes of distillation of bituminous coals have been carried on from their beginning, with the almost exclusive purpose of improving the quality of the solid residue of distillation and of certain portions of the distillate in regard to their quantity or their properties as fuels, and with the idea of more advantageous use that might be made of them either in the home or in metallurgical furnaces, or in internal combustion engines.

Just as action of heat permits deriving from bituminous coals relatively small quantities of organic compounds, methods tested up to this time for separation of the elements of the complex conglomerate that these coals present have yielded only results still less usable industrially than distillation by action of heat. The most varied solvents (liquid sulfurous acid, benzene, phenol, pyridine, etc.), used even under pressure at high temperatures, have permitted the separation of only a small percentage of oils, and of resinous or bituminous substances badly defined, for which no possible technical uses have been found.

Attack of crude coal by chemical agents that are usually employed, did not lead to perceptibly better results. By careful oxidation, attempts have been made to extract other things than carbonic acid and water. Pure oxygen and ozone have been used in presence of water or of alkaline solutions, with varying temperatures and pressures; likewise action of hypochlorites, of persulfates, of chlorates, of nitric and sulfuric acids, has been tested without obtaining anything but solutions of organic acids offering scarcely any possibilities of practical utilization.

Method of treatment by action of hydrogen under pressure, due to Doctor Bergius, seems to have led to remarkable results that permit transformation of a very considerable fraction of bituminous coal into gaseous and liquid hydrocarbons, analogous to oils of petroleum or their derivatives. This process, very interesting from the point of view of the fuel industry, solves only partially and incompletely the problem of direct production of organic compounds. For hydrocarbons obtained by Berginization are very difficult to transform into their oxygenated organic derivatives, and studies for production of alcohols or of aldehydes starting from hydrocarbons of petroleum, have but quite recently led to results suitable for industrial exploitation, of which success seems uncertain.

Up to the present time, direct treatment of bituminous coals by physical or chemical methods, with the view of production of organic compounds, has not led to a complete industrial solution of the problem. However, there exists today an indirect method which permits production, starting with any kind of coal, after complete gasification, of a considerable series of organic products.

This method is based on direct combination by catalytic synthesis under pressure of carbon monoxide and hydrogen with the formation, in theoretical quantities, not only of methyl alcohol, but of other homologous alcohols, as well as of acids (esters) and of ketones, which lend themselves to the most diverse and important industrial uses.

If one passes in a closed circuit over appropriate

catalysts maintained at a sufficiently high temperature gaseous mixtures containing carbon monoxide and hydrogen in suitable proportions, compressed to relatively high pressures, it is ascertained that by cooling to atmospheric temperature the gaseous circuit at the outlet of the catalysis apparatus, there are separated in a liquid state methyl alcohol and, according to the nature of the catalytic agent, other alcohols and oxygenated organic products derived from alcohols.

By varying the catalyst and temperature, one can obtain either pure methyl alcohol or a mixture of homologous alcohols of the same family (methyl, ethyl, propyl, isobutyl, etc.) with a variable and generally very small proportion of free or combined acids, of ketones and of tarry residues. With use of special catalysts the proportion of acids can be very notably increased.

Synthetic manufacture of alcohols shows the greatest analogy with synthetic production of ammonia by direct combination of nitrogen and hydrogen, for it is a question alone, in both cases, of direct combination of two permanent gases obtained by combined action of pressure and of temperature, in presence of appropriate catalytic agents; but production of alcohols differentiates from ammonia by characteristics of such a nature as to render its industrial realization considerably easier.

Since coal contains mainly only carbon and hydrogen, it is capable of being transformed almost completely into a mixture of carbon monoxide and hydrogen, a mixture than can itself be transformed into oxygenated organic products. For preparation of a mixture of carbon monoxide and hydrogen starting with coal, there exist at the present time numerous processes which have been well worked out and which give a sufficiently high yield. All these processes are based in principle on the fundamental reaction of formation of water gas, i. e., the reduction of water vapor by carbon at a high temperature.

This manufacture of water gas is effected easily when starting with coke as raw material; but for several years a new technique, to-day completely perfected, has permitted the substitution, partially or wholly, of run of mine bituminous coals for coke.

To-day there can be considered two methods for complete gasification of bituminous coals:

The first, allowing the distillation and gasification of the solid residue of the latter, almost simultaneously in the self-same apparatus at the exit, of which the gases of distillation and the water gas are found mixed;

The second, which consists of effecting first and previously the complete distillation of the coal in special pieces of apparatus (ovens or retorts of current types) and to use only the solid residue of this distillation for the preparation of water gas.

The first method recommends itself by the simplification and economy in installation. The gaseous mixture resulting from the simultaneous operations of distillation and gasification will contain, in general, close to 50% of hydrogen, 30% of carbon monoxide, and 3% of carbonic acid, 6 to 7% of methane and 8 to 10% of nitrogen, with a consumption of 650 to 750 kilograms of crude coal from 1,000 cubic metres of gaseous mixture (or 42 to 43 pounds per thousand cubic feet). Under these conditions the proportion of inert gases is from 15 to 17%, the proportion of active elements of the initial gas carried along by purgings will be about 30%. This loss will be reduced to 20% if the proportion of inert gases in the reaction circuit is brought to 50%. The result will be that there will be utilized effectively for synthesis only 64% of the gross gaseous mixture supplied by the gasification of the coal. If one admits a loss of 6% through leakage and handling as in ammonia synthesis, there will remain approximately only 600 cubic metres of gas really transformed per 1000 cubic metres of gas treated; this corresponds to a consumption of 650 to 700 kilograms of bituminous coal, which leads one to accept, in round numbers, a consumption of 1.10 kilograms of coal per cubic metre of gas that really entered into combination and was transformed into an organic product.

Instead of introducing the raw coal directly into the gas generator it can be subjected to a preliminary distillation while collecting separately the gases that result and utilizing directly for alcoholic synthesis only the water gas obtained by the gasification of the residual coke. Under these conditions, and if the coal is distilled at a high temperature, a ton of bituminous coal yields 280 cubic metres of gas and leaves as a residue 700 kilograms of coke. The latter when treated in the gas generator is capable of producing 1,150 cubic metres of water gas, containing about 50% of hydrogen, 40% of carbon monoxide, 5% of carbonic acid, and 5% of nitrogen. If this water gas is used directly and solely in the catalysis, the amount of inert gases composed exclusively of nitrogen will be only 5%, and the proportion of active gases carried away into the purging gases will be only 8%, if the reaction circuit is maintained at 40% inert, and 5.2% if the gases are evacuated only when the amount of the inert shall reach 50% in the reaction circuit. Adopting the first hypothesis and taking account of the fact that this water gas will contain 90% of active gases, the usable proportion of the latter will be 82.8% of 1,150 cubic metres of gross gas, or 952 cubic metres per ton of coal employed. In conceding a mechanical loss of 6%, the quantity of gas that will actually and practically be transformed into alcohols will be about 900 cubic metres per ton of coal employed: that is, the consumption of coal for the same net result will be approximately the same as in the other case, but with a content in inert gases of the gaseous circuit of 40% instead of 50%, i. e., with a productivity of the catalysis apparatus higher by about 20%. It would appear, therefore, that it is preferable to distill bituminous coal before gasifying it, or at least, to collect separately the distillation gases, charged with gaseous hydrocarbons.

From the practical and industrial point of view, to the exclusion of other special considerations, the industry of the synthesis of alcohols would be placed in most favorable conditions by associating it with operation of a plant engaged in production of coal gas for supplying a large city located in a coal mining district rich in bituminous coal. For example, if this plant were operating under the conditions described for Joliet, Ill., of the Coal Products Manufacturing Co., by a series of eight operations of gasification, after which takes place charging of 2.200 lbs. of coal, each operation comprising two minutes for the air blast, 2.75 minutes for the injection of steam, and 0.25 minutes of purging. The gas intended for catalytic synthesis would be withdrawn only during the last three operations, and only during the period of steam injection into the top of the gas generator, which would represent 12 to 15% of the total production. There would thus be obtained a gas containing but very little methane and nitrogen, and one particularly suited for synthesis.

Thus one would arrive at a very economical production that would correspond to a net consumption of gas of 2.5 cubic metres per kilogram of pure methyl alcohol and 4.2 cubic metres per kilogram of isobutyl alcohol, which represents a net consumption of raw coal that

(Continued on page 1233)

[News and Markets Section]

Studying Anthracite Substitutes

Chemical Engineers Tell of Progress in New Fuels For Use When Anthracite Supply is Exhausted—Conference at Pittsburgh Considers Use of Coal-Tar as Fuel By Steel Plants—Liquid Coal Briquettes and "Smokeless" Fuel

(*Special to* CHEMICAL MARKETS)

Pittsburgh, Nov. 22—Chemical engineers, heating authorities and fertilizer experts contributed considerable information on substitutes for anthracite to the International Conference on Bituminous Coal at Carnegie Institute last week. It was declared that the small home owner had made no advance in methods of burning coal, but that industrial plants were making rapid progress. Dr. Louis C. Jones, Nitrogen Engineering Corp., New York, said there was no danger of a world shortage of food for an indefinite period, if ever. O. P. Hood, U. S. Bureau of Mines, declared that every kind of coal could be made to burn without smoke. The fact that it is not being done he ascribed to the reluctance of the consumer to pay the price for the elimination of smoke.

Osborne Monnett, consulting engineer, Chicago, declared that in the country as a whole the smoke nuisance is increasing alarmingly. Even in Eastern cities, which use cheap "smokeless" coal and anthracite, there has been a noticeable increase in smoke in the last few years, he said. H. A. Brassert, consulting engineer, Chicago, said that at most American iron and steel plants the opportunity existed for substantial fuel savings, especially by more efficient and more complete use of surplus gases and waste heat.

C. J. Ramsburg, vice-president, Koppers Co., Pittsburgh, discussing modern methods of gas manufacture, sought to dispel the idea, that electricity would be used for heat and oust gas in a short time. He said that it could easily be demonstrated that by modern methods heat is delivered in the form of gas with much greater efficiency than in the form of electricity

O. P. Hood, chief mechanical engineer United States Bureau of Mines, discussing smokeless coal, said that "smokeless" was a relative term, meaning to the layman a fuel burning without smoke, and to the coal dealer a trade name applied to semi-bituminous coals which smoke little because of their relatively low volatile content.

Dr. Franz Fischer, director Institute of Coal Research, Muhlheim-an-Ruhr, Germany, told of his method of producing synthetic oils from coal. Obtaining carbon monoxide, a poisonous gas, from coal, he said, he was able, by adding hydrogen, to get a large number of artificial oils, including gasoline, lubricating oils and paraffine.

Among the industries represented at the conference were gas, power, fertilizer, coal, oil and motor fuel and chemical and metallurgical industries. All were interested primarily in cheap power, which, it was said, would be hastened by intensive coal research in this country.

Announcement was made of the perfecting of an artificial anthracite, a smokeless preparation, made from bituminous coal and pressed into briquettes, which it is expected will soon be offered to consumers in commercial quantities at a price lower than anthracite.

C. V. McIntire, of Consolidation Coal Products Co., New York, said:

"After three years of effort and the expenditure of $500,000, the Consolidation Coal Products Company has developed by low temperature distillation at Fairmont, W. Va., a substitute for hard coal. The Board of Directors will soon decide on the question of spending $1,500,000 for a plant to turn out 250 tons of briquettes a day, and further additions to a total expenditure of $4,000,000 will permit the manufacture of 1,000 tons a day.

Dr. Gustav Egloff, technical director of Universal Oil Products Chicago, who spoke on "the cracking of low temperature tars by the Dubbs process," declared that the bituminous coal deposits of the United States are sufficient to supply the world with motor fuel for 800 years. Coal deposits, he explained, represent the largest known potential of oil in the world today.

Other speakers were Harold Neilson, London, Prof. S. W. Parr, University of Illinois, Clarence C. Wisner, Canton, O., Dr. Walter Rung, New York; F. C. Greene. Chicago, Ill.; Emil Piron, New York; W. A. Darrah, Chicago; Richard B. Parker, New York; F. E. Brocker, New York, Dr. Edwin E. Slosson, Walter E. Trent, New York, mining engineer. Mr. Trent said that the process of pulverizing coal to the consistency of talcum powder so that it becomes a fluid when heated and runs like water, will be followed by the use of the new coal oil in internal combustion engines instead of gasoline. The first automobile engine to use oil obtained by pulverizing coal will be operated in Kansas City in a few weeks, he asserted.

The proceedings in full will not be available for several weeks.

Marius R. Campbell, U. S. Geological Survey, said the end of anthracite coal supply is in sight.

Robert M. Crawford, chemical engineer, Pittsburgh, said in part: "The continued increase in the use of coal-tar in this country for steel plant industrial fuel prevents the tar distillation industry from supplying this country's needs, among other things, for phenol and cresols, so that America is mainly dependent upon imports for supplies of cresols and is required to manufacture phenol synthetically in large quantities. This situation is not believed to be economically sound.

Rates on sulfuric acid, in carloads, from El Segundo and Nadeau, Cal., and points taking the same rates, to Curtiss, Ariz., have been found unreasonable by Interstate Commerce Commission in the case of Apache Powder Co. against Atchison, Topeka & Santa Fe. The Commission prescribed reasonable rates for the future and reparation was awarded.

First shipment of creosote oil to the Port of Vancouver, British Columbia, from Japan, arrived the latter part of September on Mitsui & Co. motor ship "Akagian Maru" and was delivered at the creosote works on the North shore. There were 600 tons in the consignment.

STOP INSECTICIDE BRIBES

(*Special to* CHEMICAL MARKETS)

Indianapolis, Ind., Nov. 17 — In opening the conference with members of Insecticide and Disinfectant Manufacturers Association, Commissioner W. E. Humphrey, Federal Trade Commission, expressed the hope that a sincere effort would be made by representatives of the industry present to at once clean up existing abuses, and to draw up a comprehensive resolution which the Commission could accept as evidence of a determination to put a stop to commercial bribery.

In executive session the representation present, with one exception, voted to abolish the practice of giving premiums and other gratuities. The dissenter explained that he published a catalogue of premiums given with orders, but that inasmuch as his gifts were made to the one who actually paid the bills for the merchandise, his plan was within the law. It was the unanimous opinion that the giving of money, premiums, gifts or other gratuities to persons who were not the actual principals in the transaction, constituted an unfair trade practice and should be stopped. A committee was appointed by the chair to draft a suitable resolution. Those serving on this committee were H. A . Brereton, Worrell Mfg. Co., St. Louis, S. S. Selig, Selig Co., Atlanta, Ga., Mr. Morin of International Chemical Co., Chicago, J. L. Brenn of Huntington Laboratories, Huntington, Ind., Mr. Hendsley, attorney of St. Louis, Mr. Spitz, attorney, New York City, and Harry W. Coles. A resolution was unanimously passed.

Corn crop reports indicate a decrease in yield in Ohio, Indiana and Pennsylvania from an abnormal one in 1925 to about a normal average this year, while Iowa, the largest corn producing section of the country, has 410,000,000 bushels, a loss of 73,000,000 bushels from last year and of 14,000,000 bushels from the five-year average. Western Nebraska has a short crop the State, in all, raising 135,000,000 bushels, or 101,000,000 less than last year. It, with Kansas short in crop, will have no corn to sell. Consumers in Nebraska are drawing on Western Iowa for supplies and the Pacific Coast is also buying corn in Iowa.

Chinese sulfuric acid works will be built at Taipingchang, Mowchow province, where a Government sulfur mine is located. Temporary offices have been opened at Chuisuikwan, Province of Anhsien.

METHANOL OUTPUT LESS

(*Special to* CHEMICAL MARKETS)

Washington, D. C., Nov. 23 — September production of acetate of lime was 11,142,544 pounds in the United States compared with 12,117,188 in the same month, last year, according to Department of Commerce. Shipments in September totaled 10,412,885 pounds, compared with 13,707,100 in September, 1925. Stocks on hand at the end of the month amounted to 16,895,457 pounds, compared with 20,881,954 in the same month last year.

Methanol production in the United States in September was 572,397 gallons, compared with 577,930 in September, last year. Shipments amounted to 670,518 gallons in September, this year, compared with 670,318 in the same month, 1925. Stocks on hand at the end of the month were 582,885 gallons compared with 1,727,270 gallons in September, last year.

Production of acetate of lime in Canada was 610,090 pounds, compared with 59,430 in September, 1925. Shipments were 593,768 pounds compared with 714,566 in the same month, last year, and stocks on hand at the end of the month were 1,147,333 pounds, compared with 86,445 pounds in September of last year.

Methanol production in Canada in September was 25,974 gallons compared with 2,558 gallons in the same month, last year, while shipments were 27,685 gallons, compared with 25,914 in September, last year. Stocks on hand at the end of the month were 51,326 gallons, compared with 43,439 gallons in the same month, last year.

Gibsonburg Lime & Products Co., Gibsonburg, O., has plans for a plant for the production of hydrated lime and other lime products, one-story, several units, estimated to cost $150,000 with equipment. F. W. and C. H. Zorn control the company.

Great Del Norte Mining Corp. has been restrained from selling stock in New York state, by Supreme Court Justice Humphrey, Brooklyn, on action by Attorney General Otlinger.

Michigan Limestone & Chemical Co., Rogers City, Mich., will erect a two-story and basement addition 175 by 200 ft.. estimated to cost approximately $100,000, with machinery.

Snia Viscosa employees are working overtime, according to Italian Rayon Association, denying reports that the force was being reduced.

BRITISH CHEMICAL TRADE DROPS

(*Special to* CHEMICAL MARKETS)

Washington, Nov. 23 — Exports of chemicals from Great Britain during the first three quarters of 1926 amounted to £16,816,638 compared with £17,945,670 in the similar period of 1925 and £19,109,629 in the 1924 period. Imports totaled £11,293,525 against £10,668,462 in the first nine months of 1925, and £10,880,693 in the corresponding months of 1924. Among the imports, increases are particularly noted in coal-tar products (except intermediates) and also in potassium compounds. A decline from figures for the two preceding years was registered in most dyestuffs, apparently in accordance with the policy of fostering the domestic dyestuffs industry as far as possible, and also reflecting the depression in the textile industry.

On the export side the progressive decline extends to a majority of commodities, although there has been an increase this year in shipments of glycerin coal-tar products —particularly tar oil and creosote oil and benzol and toluol. A decrease in the exports of ammonium sulfate is in contrast to the recent extension of the facilities of the only producer of synthetic ammonia in United Kingdom and the materially increased output contemplated by the concern. Although both production and consumption of ammonia in United Kingdom last year were somewhat less than in the preceding year, nevertheless the domestic consumption has been growing appreciably.

Fitchburg Yarn Co., Fitchburg, Mass., has begun the manufacture of a new synthetic fibre yarn as the result of experiments begun last March by its engineers with the aid of a Swiss textile expert. Cost of production is one-third that of the best silk. The new product has a cellulose base and presents some dyeing problems.

Smith Reduction Co., Norfolk, Va., fertilizers, will erect an addition to its plant at Buell, Va., one-story, 150 by 300 ft., estimated to cost $100,000, with machinery.

J. King McLanahan Jr., president New England Lime Co., died of heart disease, Nov. 15, at Pittsfield, Mass. Mr. McLanahan had various mining interests.

Anderson-Prichard Oil Corp., Oklahoma City, will build a refining plant in Texas exclusively as a naphtha unit, increasing its output from 6,000 to 9,500 barrels daily.

Dye Imports Up in Tonnage and Value

October Imports Highest For Year With Exception of March and April —Total 460,351 Lbs., Valued at $406,167, Against 387,533 Lbs., Valued at $322,446 in September, and 537,312, Valued at $471,466 in October 1925—German Percentage Lower at 48—Switzerland Remains at 30 Per Cent

Washington, Nov. 22—Imports of coal-tar dyes increased in both tonnage and value during October. Both the tonnage and value were the highest of any month during the current year, with the exception of March and April. Imports during October totaled 460,351 lbs., valued at $406,167, against imports for September of 387,533 lbs., valued at $322,446 and imports for October, 1925 of 537,312, valued at $471,466.

The dyes in this report are grouped by Schultz numbers, and, in the case of those which could not be identified by that number, the classification according to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced—in nearly every case—to a single strength basis.

In this report the following abbreviations are used to designate the country of shipment in connection with the tabulated data:

G for Germany; F for France; E for England; I for Italy; B for Belgium; C for Canada; S for Switzerland, and H for Holland.

IMPORTS OF SYNTHETIC DYES

	Pounds 1926	Inv. Value 1926	Pounds 1925	Inv. Value 1925
January	190,459	$ 184,018	403,984	$ 359,376
February	479,027	477,255	373,259	365,268
March	487,804	435,891	527,964	488,501
April	437,526	401,606	451,005	426,141
May	392,739	343,745	370,271	347,904
June	333,319	317,896	376,668	333,654
July	351,425	303,079	420,849	400,366
August	380,414	298,159	330,674	303,612
September	387,533	322,446	298,858	285,642
October	460,351	406,167	* 537,312	471,466
Total 10 months	3,900,597	3,490,262	4,090,844	3,781,930

Imports of coal-tar dyes for the month of October, 1926, by ports are as follows:

	Pounds	Inv. Value
New York	438,242	$381,716
Boston	16,255	17,319
Albany	5,716	6,892
St. Louis	138	240
Total	460,351	$406,167

*Includes items not heretofore reported for the period January-September, 1925, through the port of New York

Five Leading Dyes, by Quantity Imported During October, 1926

Indanthrene golden orange G (single strength) ..... 14,856 pounds
Brilliant indigo 4B (single strength) ..... 14,460 pounds
Ciba red R paste ..... 14,328 pounds
Rhodamine B extra (single strength) ..... 13,850 pounds
Alizarin, synthetic ..... 11,265 pounds

Dyes and Intermediates Remaining in Bonded Customs Warehouse

Date	Coal-Tar Dyes and Colors	Coal-Tar Intermediates
January 31, 1926	703,159 pounds	763,409 pounds
February 28, 1926	596,154 pounds	855,170 pounds
March 31, 1926	447,588 pounds	896,530 pounds
April 30, 1926	359,164 pounds	928,593 pounds
May 31, 1926	535,226 pounds	946,120 pounds
June 30, 1926	671,396 pounds	772,475 pounds
July 31, 1926	512,186 pounds	781,796 pounds
August 31, 1926	557,852 pounds	690,031 pounds
September 30, 1926	395,535 pounds	590,520 pounds

Per Cent of Dyes by Country of Shipment

Country	October, 1926	September, 1926	August, 1926	July, 1926
Germany	48	50	47	60
Switzerland	30	30	34	30
France	6	3	2.5	2.7
England	5	5	0.5	1.4
Belgium	4	3	5.5	4
Canada	5	7	8.5	—
Italy	2	2	2	1.5
Holland	—	—	—	—
All other	—	—	—	0.4

KEY TO ABBREVIATIONS

1. The Six Leading German Companies

A. Actien Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.
B. Badische Anilin-und-Soda Fabrik, Ludwigshafen on-the-Rhine, Founded 1865.
BY. Farbenfabriken, normals Friedr. Bayer & Co., Leverkusen on-the-Rhine, Founded 1862.
C. Leopold Cassella & Co., Frankfort on-the-Main, Founded 1870.
K. Kalle & Co., A. G. Biebrich on-the-Rhine, Founded 1870.
M. Farwerke, normals Meister Lucius & Bruning., Hochst on-the-Main, Founded 1862.

2. The Smaller German Companies

BK. Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig, Founded 1882.
GG. Chemikalienwerk Griesheim G m. b. H., Offenbach-on-the-Main, Founded 1882.
CJ. Carl Jager G. m. b. H., Anilinfarbenfabrik, Dusseldorf, Founded 1823.
Gr-E Chemische Fabrik Griesheim-Electron, Offenbach-on-the-Main, Founded 1842.
L. Farbwerk Mulheim, vormals A. Leonhardt & Co., Mulheim-on-the-Main, Founded 1879.
LM. Chemische Fabriken vormals Weil ter Meer, Uerdingen-on-the-Rhine, Founded 1877.
WD. Wulfing, Dahl & Co, A. G. Barmen, Founded, 1842.

3. Swiss Companies, all at Basel.

DH. Farbwerke vormals L. Durand, Huguenin & Co., Founded 1871.
G. Anilinfarben-und Extract-Fabriken, vormals Joh. Rud. Geigy, Founded 1764.
L. Gebellschaft for Chemische Industrie, Founded 1885.
S. Chemische Fabrik, vormals Sandoz & Co. Founded, 1887.

4. Dutch and French Companies.

NF. Niederlandische Farben-und-Chemikalienfabrik Delft, Delft, Netherlands, Founded 1897.
CNI. Compagnie Nationale des Matieres Colorantes et Produits Chimiques, Founded 1917.
FA. Farbwerk Ammersfoort, Ammersfoort, Netherlands, Founded, 1888.
P. Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis. (formerly A. Poirier), Founded 1830.

5. English Companies

Bro. Brotherton & Co., (Ltd.) City Chambers, Leeds.
BAC. British Alizarine Co., (Ltd.), Manchester.
BD. British Dyestuffs Corporation (Ltd.) London
Cl Co. The Clayton Aniline Co., (Ltd.) Clayton, Manchester.
Scot. Scottish Dyes (Ltd.), Grangemouth.
CV. The Colne Vale Dye and Chemical Co. (Ltd.), Milnsbridge, Huddersfield.
Hol. L. B. Holliday & Co. (Ltd.) Grangemouth 1Etablissements Kuhlman merged with this company in 1923.

IMPORTS FOR OCTOBER

Dyes of Coal-Tar Origin

Schultz No.	Dye and Maker	Pounds
137	Fast yellow S—IG	300
182	Brilliant sulphon red B—S	1,500
182	Brilliant sulphon red 10B—S	
58	Chrome orange R—DH	110
56	Nitrosamine red paste—IG	500
61	Victoria violet 4 BS—G	10
129	Chromazone red new cone—G	220
121	Erika B cone—S	700
175	Acid ponceau E—G	220
227	Cotton scarlet extra—IG	100
240	Red J B (James red B)—IG	150
	Benzo fast red 8 BL—IG	640
	Chlorazol fast red K—BD	
256	Sulphoneyanine G—IG	1,988
265	Acid milling black B—G	2,205
273	Blue NA—IG	2,205
	Diaminogene blue NA—C	8,920
	Diazamine blue BR cone—S	
	Rengo fast heliotrope BL—IG	500
	Brilliant benzo violet B—By	582
279	Benzo fast orange WS—By	
	Benzo fast scarlet 5 BS—IG	900
	Benzo fast scarlet 4 BS—By	954
283	Bismark brown S—S	10
291	Azo alizarin Bordeaux W—DH	5
296	Cotton yellow GX—B	40
308	Developing black OT—C	180
319	Chloramine red B—S	6,015
	Chloramine red 3B—S	
	Diamine scarlet 3B—IG	
322	Trisulphon violet B—S	10
339	Diamine orange B—IG	100
	Polar red G cone—G	4,410
	Polar red R cone—G	
358	Acetopurpurine 8B—M	
358	Chloramine brilliant red 8B—S	3,093
	Chlorantine red b BN (cone)—I	
360	Ignamine orange R—IG	200
	Chromocitronine R—DH	441
364	Diazo brilliant black B—IG	1,000
373	Congo orange R—IG	1,000
387	Columbia blue G—IG	100
406	Acid anthracene red 3B—IG	1,000
	Brilliant milling red R—IG	
424	Chloramine sky blue FF—S	10
457	Trisulphon brown 2G—S	3,012
476	Benzo chrome brown G—IG	200
18	Diaphenyl fast yellow 4 GL cone—G	55

(Continued on page 1205)

September Chemical Imports

Commodity			Inv. Val
VARNISH GUMS AND RESINS (free list)			
Damar	1,339,812	lbs.	$215,062
Kauri	503,214	lbs.	91,190
Shellac	3,598,286	lbs.	883,268
Lac, crude, seed button and stick	1,381,148	lbs.	304,985
Sandarac	31,689	lbs.	6,427
Copal and other varnish gums	4,155,458	lbs.	260,107
TURPENTINE, TAR AND PITCH			
Turpentine, spirits of	30,567	gal.	20,576
Turpentine gum, including Venice	2,005	lbs.	8
Tar and pitch of wood	1,281	bbl	10,471
VEGETABLE OILS (free list)			
Chinawood oil	14,162,418	lbs.	1,527,033
Vegetable wax	602,471	lbs.	141,160
VEGETABLE OILS (dutiable)			
Linseed oil	136,736	lbs.	10,889
Stearin, palm & others	43,065	lbs.	992
EXTRACTS FOR DYEING, (dutiable)			
Logwood	19,138	lbs.	1,768
NONMETALLIC MINERALS (free list)			
Pyrites	23,867	ton.	50,743
Sulphur & sulphur ores			
Sulphur in other forms	29,915	lbs.	3,278
METALS (dutiable)			
Arsenic, metallic	6,614	lbs.	1,172
CRUDE COAL-TAR PRODUCTS (free list)			
Dead or creosote oil	3,678,136	gal.	518,737
Pyridine	36,885	lbs.	16,900
Benzene	215,787	lbs.	4,264
Naphthalene	424,773	lbs.	6,809
Cresylic acid	613,279	lbs.	40,267
Xylene	71,500	lbs.	3,631
Crude coal, blast furnace oil gas&water gas tar	2,101	bbl.	4,200
ACIDS AND ANHYDRIDES (free list)			
Arsenious acid	446,083	lbs.	20,873
Sulphuric acid	3,031,983	lbs.	17,528
Nitric & sulphuric acids, mixed	150	lbs.	25
OTHER CHEMICALS (free list)			
Copper sulfate	184,625	lbs.	9,410
Iodine, crude	35,095	lbs.	110,169
Sodium cyanide	2,491,172	lbs.	191,423
Borate of lime or soda & other borate material, crude	2,240,000	lbs.	32,248
Sodium sulphate crude (salt cake)	623,520	lbs.	2,280
Annatto, and all extracts of	54,850	lbs.	2,409
Arsenic sulphide, realgar, and orpiment	95,229	lbs.	6,118
Calcium acetate crude (brown and gray)	698,852	lbs.	21,631
Calcium chloride	1,292,419	lbs.	8,236
Copper, acetate and subacetate	5,500	lbs.	570
Ferrous sulphate	67,373	lbs.	754
Sheep dip	13,500	lbs.	3,244
Uranium oxide, and salts of	12,472	lbs.	9,834
FERTILIZER & FERTILIZER MATERIALS free list			
Calcium cyanamid	7,659	ton.	347,036
Calcium nitrate	940	ton.	38,709
Sodium nitrate	37,096	ton.	1,830,231
Guano	1,144	ton.	54,794
Dried blood	1,719	ton	104,238
Tankage	2,689	ton.	102,775
Amm sulphate nitrate	239	ton.	17,123
Other nitrogenous material	4,668	ton	101,462
Bone phosphates	2,537	ton.	73,848
Phosphate rock, crude	2,900	ton	30,595
Potas chloride, crude.	12,329	ton.	389,654
Kainite	5,377	ton	41,393
Manure salts	31,695	ton	332,728
Ashes, wood, and best root	201	ton.	1,625
Other potash - bearing substances	191	ton.	4,314
Prepared fertilizers	3,218	ton.	33,597
Other substances used for manure	1,824	ton.	30,597
ACIDS AND ANHYDRIDES (dutiable)			
Citric acid	8,512	lbs.	2,279
Formic acid	178,773	lbs.	12,822
Oxalic acid	102,995	lbs.	4,879
Tartaric acid	99,680	lbs.	22,068
Acetic acid, not more than 65%	497,228	lbs.	24,328
Acetic acid, more than 65%	185,563	lbs.	22,459
Acetic anhydride	2,240	lbs.	556
Lactic, 30% to 55% lactic acid	4,579	lbs.	284
Lactic, other, on which specific duty does not amount to 25%	50	lbs.	479
Phosphoric acid	99	lbs.	44
Tannic acid, 50% or more, not medicinal	2,943	lbs.	475
Acids, and acid anhydrides, n.s.p.f.	7,032	lbs.	4,248
ALCOHOL (dutiable)			
Amyl alcohol	55	lbs.	15
Fusel oil	58,260	lbs.	8,296
Propyl alcohol	10,000	lbs.	2,314
Methanol	80,435	gal.	37,171
OTHER CHEMICALS (dutiable)			
Amm. chloride, white	1,076,549	lbs.	40,667
Amm. chloride gray	360,762	lbs.	15,745
Amm. nitrate	968,441	lbs.	40,930
Amm. carb. & bicarb.	76,004	lbs.	4,320
Amm. phosphate	19,761	lbs.	2,494
Barium carbonate, precipitated	989,273	lbs.	11,088
Barium chloride	150,031	lbs.	2,759
Barium dioxide	2,227	lbs.	114
Barium hydroxide	41,126	lbs.	780
Calcium carbide	510,000	lbs.	19,225
Cobalt oxide	10,500	lbs.	19,982
Lime, chlorinated or bleaching powder	328,643	lbs.	7,592
Citrate of lime	182,832	lbs.	22,249
Glycerine—crude	2,829,406	lbs.	464,038
Glycerine, refined	1,194,873	lbs.	276,349
Magnesium, carbonate precipitated	29,140	lbs.	1,469
Magnesium chloride, n. s. p. f.	1,490,897	lbs.	9,856
Magnesium oxide	7,745	lbs.	2,470
Magnesium sulphate	1,135,692	lbs.	90,548
Magnesium silicofluoride	70,478	lbs.	4,080
Potassium carbonate	794,471	lbs.	36,874
Caustic potash	764,015	lbs.	48,289
Potas. bitartrate, crude	3,105,846	lbs.	212,864
Potassium chlorate	1,063,291	lbs.	34,488
Potassium perchlorate	88,805	lbs.	4,662
Potassium bicarbonate	33,073	lbs.	2,018
Potassium bromide	9,024	lbs.	2,249
Potassium chromate and dichromate	971	lbs.	158
Potassium ferrocyanide.	15,754	lbs.	2,051
Potassium ferricyanide.	36,868	lbs.	10,381
Potas. nitrate refined	1,473,005	lbs.	67,000
Potassium permanganate	10	lbs.	4
All other potash salts n.s.p.f.	14,845	lbs.	1,462
Sodium ferrocyanide	55,587	lbs.	3,952
Sodium nitrite	44,877	lbs.	1,596
Sodium acetate	50,705	lbs.	3,327
Sodium arsenate	1,052	lbs.	132
Sodium bicarbonate	1,243	lbs.	117
Sodium bisulphite	83,204	lbs.	2,210
Sodium bromide	15,435	lbs.	4,597
Sodium carb. calcined.	3,017	lbs.	308
Sodium chlorate	28,550	lbs.	1,036
Sodium fluoride	33,317	lbs.	2,119
Caustic soda	12,300	lbs.	1,780
Sodium hydrosulphite and compounds	30,146	lbs.	6,660
Sodium phosphate	763,578	lbs.	17,100
Sodium silicate	35,833	lbs.	701
Sodium silicofluoride.	616,804	lbs.	17,284
Sodium and potassium	33,264	lbs.	3,779
Sodium sulphate, anhy.	103	lbs.	2,675
Sodium sulphate, crystallized	185	lbs.	2,107
Sodium sulphide, not more than 35%	44,339	lbs.	1,371
Sodium sulphide, more than 35%	549,235	lbs.	10,989
Sodium sulphite	70,537	lbs.	1,897
Acetone, acetone oils, & ethyl methyl ketone	176	lbs.	50
Crotonaldehyde	10,000	lbs.	1,914
Paracetaldehyde	3,452	lbs.	671
Aluminum hydroxide	28,665	lbs.	3,512
Potas aluminum sulphate	198,849	lbs.	3,143
Aluminum sulphate, over 15% of alumina and not more iron than 1/10% of ferro oxide	181,129	lbs.	1,778
Amm aluminum sulphate	1,555	lbs.	68
Aluminum compounds, n.s.p.f. others	569	lbs.	108
Antimony oxide	295,680	lbs.	34,372
Antimony salts and compounds other	2,205	lbs.	355
Bromine compds n.s.p.f.	77,466	lbs.	28,258
Cobalt sulphate	2,550	lbs.	1,520
Copper oxide & suboxide	67,200	lbs.	12,165
Dextrine made from potatoes	71,450	lbs.	3,191
Dextrine n.s.p.f. substitutes	441	lbs.	28
Amyl acetate	6	lbs.	6
Diethyl sulphate	661	lbs.	133
Ethers & esters, other n.s.p.f.	16,687	lbs.	3,494
Ferric chloride	75	lbs.	23
Iron sulphide	8,410	lbs.	260
Lead acetate, white	11,025	lbs.	1,015
Lead nitrate	15,700	lbs.	1,302
Lead compounds other n.s.p.f.	4,409	lbs.	542
Manganese compounds & salts, other	5,600	lbs.	381
Mercurous chloride	535	lbs.	600
Mercuric oxide	2,240	lbs.	2,097
Mercury compounds, others n.s.p.f.	358	lbs.	250
Pyroxylin, liquid solutions of, collodion & other cellulose esters or ether	2,315	lbs.	1,780
Tetrachloroethane	10,909	lbs.	507
Trichloroethylene	22	lbs.	3
Tin, bichloride and other compounds	200	lbs.	136
Urea	441	lbs.	54
Zinc chloride	123,257	lbs.	5,913
Zinc sulphate	38,718	lbs.	1,128
Zinc sulphide	1,341	lbs.	840
Other chemical compounds n.s.p.f. no olcohol	411,923	lbs.	73,577
PIGMENTS, PAINTS, AND VARNISHES (Dutiable)			
Iron oxide and iron hydroxide pigments	2,454,840	lbs.	56,458
Ochers, crude not ground	9,985	lbs.	168
Siennas crude not grnd	177,501	lbs.	3,541
Ocher and sienna washed or ground	1,592,377	lbs.	31,371
Brown, Vandyke, Cassel earth, or Cassel brown	159,906	lbs.	2,764
Barytes ore—crude	3,000	tons.	20,920
Barytes, ground or manufactured	297	ton	3,998
Umbers, crude not grnd	557,126	lbs.	3,692
Umbers washed or grnd	74,291	lbs.	1,687
Whiting or Paris white	2,965,626	lbs.	8,951
Whiting, ground in oil (putty)	2,990	lbs.	159
Zinc oxide & leaded zinc oxides, over 25% lead, dry powder	157,720	lbs.	14,819
Zinc oxide, mixed with oil or water	43,650	lbs.	5,436
Lithopone	2,285,749	lbs.	88,378
Lamp black	7,281	lbs.	384
Other black pigments	166,518	lbs.	4,644
Ferrocyanide blues	66	lbs.	28
Ultramarine blue	98,200	lbs.	13,764
Orange mineral	10,187	lbs.	897
Red lead	2,291	lbs.	240
White lead	11,674	lbs.	1,196
Blanc fixe or precipitated barium sulphate	333,588	lbs.	6,425
Chrome yellow, green & other chromium color	16,041	lbs.	3,410
FERTILIZERS (Dutiable)			
Sulphate of ammonia	253	ton.	15,381

B. R. Burnham, for last eight years superintendent Whitney Mfg. Co., Whitney, S. C., has been engaged to represent Borne Scrymser Co. at Spartanburg, S. C., and will present Breton Minerol Process to southern mill trade.

"Dyestuffs," published by National Aniline & Chemical Co., New York, has an article on "Foaming of Textile Soaps" in the November issue. Also one on spring shades for leather.

Fewer formal complaints are being issued by Federal Trade Comission, since putting into effect its new system of settling cases by stipulation. The number of cases is said to be about half.

SALESMEN TO GET GIFTS

The Salesmen's Association of the American Chemical Industry will hold its Christmas party, Dec. 29, plans calling for a complete cabaret, lasting from eight o'clock until midnight. There will be a tree and Santa Claus will be present to distribute special gifts. Members will be permitted to bring guests. In keeping with this new arrangement, special tables for groups can be made up upon request to the Ticket and Seating Committee. Tables in best positions will be allotted in order of the receipt of reservations.

Committees in charge are as follows: Tickets and seating, Ralph Dorland, Dow Chemical Co.; entertainment and refreshments, William A. Thompson, Sherwin-Williams Co.; presents and Procurer of Santa Claus, John Chew, Warner Chemical Co.; publisher of annual edition of "The Chemical Peddler," Ira P. MacNair, of "Soap"; special refreshments and committee on emergencies, F. P. Summers, Noil Chemical & Color Works; finances, A. H. Benkert, Noil Chemical & Color Works.

Pitch has been difficult to obtain in France even at 140 shillings per metric ton, f. o. b. Antwerp, since the English strike. Pitch is received from the United States, although for the most part it is sold through British brokers. The current price in France for pitch, approximates 1,200 francs per ton or from 110 to 120 francs for the 90 to 100 kilograms required in the production of one ton of patent fuel. Before the war the price of pitch in France ranged from 40 to 60 gold francs per ton.

Potash has been discovered in Russia in the western part of the Government of Perm, Ural Mountains. The deposit is estimated at 600,000,000 tons of potash. The potash is only 300 feet below the surface, while in Germany, the Russian authorities assert, the deposits are generally found only under subterranean water, and in France at a depth of not less than 700 feet. The Russian government has decided to organize a special state syndicate to exploit the fields.

Domestic exports for September of aniline oil and salts amounted to 53,521 pounds, valued at $8,545; of "other intermediates" 125,459 lbs., valued at $29,013 and of coal-tar colors, dyes and stains, 1,882,936 pounds, valued at $461,233.

WAR MOBILIZATION

At the recent reunion held at the Palmer House in Chicago of the War Industries Board attended by 125 men, Col. Ferguson, Assistant Secretary of War in charge of Mobilization of Industries, made this striking declaration:

"During the war period it took us 14 months to reconcile war to peace demands upon the output of our industries. As we are now organized, this same effort could be done at a fraction of the expense and in a period of 4 months."

The meeting was presided over by Mr. Baruch, who was chairman of the War Industries Board, assisted by Alexander Legg, of the International Harvester Company, his assistant chief, and C. H. McDowell of the Armour Fertilizer Works, who was chief of the Chemical Division.

Among the chemical men who attended were:

H. G. Carroll, J. M. Moorhead, Dr. Moody, Prof. Weidlin, L. H. Brunker, Ira Darling, Leland Sommers, Lt. Com. Riley, U. S. M.

Importations of pyrites this year for the first time since 1920 will exceed the 300,000 ton mark. Official figures for the first nine months show entries of 289,877 long tons. Statistics covering exports of brimstone from the United States during the first nine months of 1926 disclose that there has been a decline in shipments to foreign markets. Export shipments, however, of 629,401 tons in 1925 were exceptionally large. In the first nine months of the current year 412,979 tons were exported in comparison with 469,919 tons during the parallel period of 1925.

Northwest Pulp & Paper Co., Astoria, Ore., will erect a new pulp and paper mill, comprising several units, to be equipped for an initial output of about 100 tons per day. A fund of $200,000 is being raised.

"Mr. Chamberlain," claiming to be employed in the Cleveland office of Harshaw, Fuller & Goodwin, is reported to be soliciting money from the firm's customers in New York, without authority.

Paper mill of Hollingsworth & Whitney Co., Gardiner, Maine, has resumed operations after two weeks shut-down.

McKeesport, Pa., Tin Plate Co., near Pittsburgh, has settled the strikes with its 700 employees.

HOOVER CALLS CHEMICAL CONFERENCE

Washington, D. C., Nov. 23 — Secretary of Commerce, Hoover is sending invitations to key men in the chemical industry to attend a conference Dec. 6. The Secretary says he is calling the conference at the request of the Chemical Advisory Committee of the Department of Commerce because the committee believes that the chemical industry "can profit by establishing closer contact with the Department." The purpose is "to learn from the bureau and division chiefs what service is now available, to inform the Department as to the needs of the industry, and to discuss co-operation between the Department and the industry."

A dinner will be held in the evening at which Secretary Hoover will be the principal speaker.

At the morning meeting Julius Klein will speak on "Our Foreign Service," C. C. Concannon on "The Chemical Division, Aims and Activities." After luncheon, T. W. Delehanty will discuss "Chemical Opportunities Abroad."

Statistics for the importation of phosphates into France during the first eight months of 1926 indicate a marked increase in the consumption compared with similar periods for two preceding years, the figures being 1,061,000 metric tons, 855,014 and 882,545 tons, respectively. Tunisia continues to be the most important source and accounted for almost 80 per cent of the total importations, with Algeria and Morocco supplying much smaller quantities than Tunisia, but registering increases over the tonnages shipped to France during the same period of last year. So far in 1926 no phosphates have been received in France from the United States or any other countries outside of France's North African sources, except a minor tonnage from Belgium-Luxemburg.

Sir William Alexander, chairman British Dyestuffs Corp., told members of British Empire Chamber of Commerce, meeting at Bankers' Club, New York, that research would solve the problem of wasteful methods of using bituminous coal.

Deposits of colemanite, the chief ore of borax, near Shoshone, in Amargosa Valley, Calif., are said to have proven unusually large and were purchased by Pacific Coast Borax Co., shortly after being found, and are now being mined.

[The Industry's Finances]

SHERWIN-WILLIAMS OF CANADA CALLS BONDS

Earnings For Year 9.53 Per Cent on Common Stock, Against 8.79 For Last Year—Six Per Cent Bonds Called at 10 Per Cent Premium

(*Special to* CHEMICAL MARKETS)

Montreal, Que., Nov. 22—Sherwin-Williams Co. of Canada, Ltd., in their annual statement show earnings equal to 9.53 per cent on outstanding common stock, compared with 8.79 a year ago. Vice-president and managing diector W. S. Fallis said in his letter to stockholders that the company is preparing to wipe out its funded indebtedness in January. First mortgage six per cent bonds are being called for redemption at 10 per cent premium, and Canada Paint Co. bonds are also to be redeemed. Some investments the company field have been sold at par to provide funds for this purpose, and a reserve has been provided to meet the ten per cent premium. Working capital has been increased $227,000 and is now over $4,000,000. Earnings last year were $982,933.

Vegetable Oil Corp. shares, 100 of preferred, were sold at auction, last week, by Adrian H. Muller & Sons, for $30 for the lot; 5,000 shares Chloride Mining Co. brought 10 cents a share; 100 shares Alaska British Columbia Metals Co., 720 shares New Mix Products Co. and 40 shares Boucher, Inc., sold for $60.

National Lead Co. has declared $2 quarterly dividend on common, payable Dec. 3, on stock of record Dec. 10.

[Foreign Exchange]

	Par	Current
Great Britain (pound sterling)	4.866	4.845
France (franc)	.193	.348
Italy (lira)	.193	.423
Belgium (franc)	.198	.139
Denmark (krone)	.268	.266
Czechoslovakia (crown) per 100	20.30	2.96
Germany (mark)	.238	.237
Holland (florin)	.400	.400
Poland (zloty)	.193	.120
Norway (krone)	.258	.258
Spain (peseta)	.193	.152
Sweden (krone)	.268	.267
Switzerland (franc)	.193	.193
Argentina (peso)	.414	.406
Brazil (milreis)	.324	.127
Japan (yen)	.499	.493
India (rupee)	.485	.360
China (Silver dollar, Hongkong)	.789	.490
(Tael—Peking silver)	1.146	.645
(Tael—Shanghai, silver)	1.986	.617

Canadian Salt Co. is offering $300,000 worth of bonds, the balance of an authorized issue of $1,500,000 of which $1,200,000 was sold last November. The money will be used to finance additions. The company has become an important producer of bleaching powders, liquid chlorine and caustic soda.

Union Carbide & Carbon Corp. has exercised an option to purchase the entire assets of U. S. Vanadium Co., effective Dec. 1. The Carbide company has been developing the ore bodies and processes of the Vanadium company at Rifle, Col., 300 miles west of Denver, for a year or more.

Texas Gulf Sulphur Co. has declared an initial dividend of $1 on the new no par stock, payable Dec. 15 to stock of record Dec. 1. This places the stock on a basis equivalent to $16 annually on the old $10 par stock, recently split. Three months ago a quarterly dividend of $3 was declared on the old stock.

Cumberland Portland Cement Co., Cowan, Tenn., is pushing construction on its cement mill and will have the initial units ready for service in March or April. The plant will produce 2,500 barrels per day, and is estimated to cost more than $1,000,000. W. V. Davidson is president.

Profit of $4,233,421, after taxes and depreciation, but before depletion, is shown for the third quarter of this year by Utah Copper Co. This equals $2.60 a share, par $10, and compares with $3,296,836, or $2.03 per share, in the preceding quarter.

Whiteley Bleachery, Dracut, Mass., will be offered at public auction on Friday, Nov. 19. The property comprises about 25 acres of land, the bleachery building, water rights and privileges, machinery.

Quality Piece Dye Works, Woonsocket, L. I., is in receiver's hands, but new company has been formed to acquire the property.

VIRGINIA-CAROLINA

Virgiina-Carolina Chemical Corp. will make loans on cotton to its customers to the amount of twice their indebtedness to the corporation and on a basis of 10 cents per pound for middling cotton, without further marginal requirements and at the rate of five per cent interest. Cotton on which such loans are made will be held by the company until next Spring, so that its customers may receive the benefit of any advance in price between now and that time.

International Salt Co., of Scranton, Pa., has sent out a letter signed by J. G. Wamble, southern district manager, stating that it is willing and anxious to use cotton bags exclusively when making shipments of salt. E. K. Scheiter, vice-president of A. E. Staley Manufacturing Co., manufacturers of corn products, Decatur, Ill., recently sent a letter to the textile trade, saying his company will offer starch packed in new cotton bags, absorbing the difference in cost between cotton and jute bags.

I. G. Farbenindustrie A.-G. is carrying out considerable extensions of its factories at Merseburg. Leuna sulfate of ammonia plant is being enlarged, with a view to an increase of 50 per cent in its output, and large warehouses are being erected for storage of fertilizer. An annex is in course of construction, in which a coal liquefaction plant is to be installed, which is expected to be completed towards the middle of 1927.

Chesebrough Manufacturing Co. has declared a specific dividend of 50c share, an extra dividend of 25c share and quarterly dividend of 75c share, payable Dec. 28 to stock of record Dec. 10. This will make a total of $4.50 a share to be paid for this year, compared with a total of $3.12½ a share in 1925.

Glidden Co. has declared regular quarterly dividends of 50 cents on common and 1¾% on prior preferred, both payable Jan. 2 to stock of record Dec. 16. Adrian B. Joyce, president, said preliminary reports show that October, the last month of the fiscal year, will show largest profits of any month for the year.

Procter & Gamble Co. has declared six per cent dividend on preferred and $1.50 quarterly on common, payable Dec. 15 on stock of record Nov. 24.

DUPONT PAYS $5 EXTRA

E. I. du Pont de Nemours & Co. have declared an extra disbursement of $5 in addition to a quarterly dividend of $1.75 on the new common stock, placing the latter on a $7 annual basis, and the regular debenture dividend of 1½ per cent.

Stockholders approved a change in the authorized common stock from 1,500,000 $100 par shares to 5,000,000 no par shares in September last, to permit a split-up of two-for-one in the stock. At the last quarterly meeting of the company, on Aug. 16, a quarterly dividend of 3½ per cent was announced, placing the old stock on a $14 annual basis.

Naigai Chemicals Trading Co., Osaka, Japan, has appointed Chimata Kitajima manager to succeed Yuzaburo Moriyama, who is now manager of Nippon Senryo Seizo Kabushiki Kaisha (Japan Dyestuff Mfg. Co.). Mr. Moriyama continues as a director of Naigai Chemicals Trading Co.

American Cyanamid Co. will move its offices during the latter part of January to the new Delmonico Building under completion at the corner of Fifth ave. and 44 st., New York. This will make possible the bringing of all the company's offices under one roof, and leave room for further expansion.

Barton Mfg. Co., St. Louis, Dyanshine shoe polish, has purchased Oil Glow Shoe Polish Co., Fremont, Ohio. T. A. Morrow, owner of Oil Glow company, is vice-president, Bixby Corp., which is owned by Gold Dust Corp., New York.

Blackstone Mfg. Co., 11 Hensler st., Newark, N. J., chemical products, will build a new addition, four-story, 45 by 125 ft, to cost approximately $65,000.

Virginia-Carolina Chemical Co., Richmond, Va., will rebuild its branch plant at Dothan, Ala., recently destroyed by fire.

Anglo-Chilean Consolidated Nitrate Corp. stock (1,756,750 shares) has been admitted to trading on New York Curb Exchange.

Glidden Co. of California has been incorporated at Sacramento, capitalized at $310,000.

Southern Paint & Pigment Co., Doyle, Tenn., is investing $250,000 in a plant at Doyle.

[Stocks & Bonds]

	1925		1926		Current		Ann.
	High	Low	High	Low	Bid	Asked	Div.
*Air Reduction	115	86½	145½	107¼	131¾	132¼	5
*Allied Chem	115¾	80	147	106	131⅝	132	4
*Allied Chem pfd	112¼	111	127¼	118¾	120½	121	7
*Am Ag Chem	29⅞	13½	34⅝	40¼	13¾	14¼	
*Am Ag Chem pfd	82½	36½	96½	40¼	48	49½	
Am Can	...	...	63¼	38⅞	52¼	52⅝	
Am Can pfd	121⅞	115	125½	121	125½	126	
*Am Cyan "A"	...	...	46	36⅞	35	37	
*Am Cyan "B"	...	...	47	35¼	34	37	
*Am Linseed	59¼	20	52⅞	25⅝	29¼	29¾	
*Am Linseed pfd	89	58	87	68⅝	73	75⅞	
*Am Metals	57⅝	45¾	57⅜	45⅝	47½	48	
*Am Metals pfd	118	110	119	115	112	116	
Am. Rayon Prod.	51⅞	26⅝	35¾	29¾	...	...	
Amer Smelting	114½	90⅜	152	109⅝	135¼	135¾	7
*Am Smelting pfd	115¼	105½	117½	112⅞	119¼	119⅞	
*Am Zinc	12½	7⅞	12⅜	7⅛	7½	8½	
*Am Zinc pfd	44⅞	24⅞	48⅛	26⅛	43	44	
Anglo Chil. Nitrate	101	97½	100⅜	95¼	95½	...	
*Archer-Dan-Mid	46	26	44¾	36	40	42	
*Archer-Dan-Mid pfd	105	90½	105	100	103	106	
*Armour Del pfd	100	90⅛	97⅞	93	91¼	93½	
*Atlas Powder	65	45	59	54	62¾	64	4
*Atlas Powder pfd	94	90¼	97⅞	96	95⅜	98	
Brooklyn Un Gas	100¼	73⅛	78¾	68	93½	94	
By-Products Co.	...	...	...	...	73¼	75	
By-Products Co. pfd	...	...	...	...	106	110	
*Calla L & Z	4¾	1¼	2⅝	1½	1⅝	1⅞	2
Canad. Ind	20⅜	14	20	16¼	16⅞	...	
Canad. Salt	154½	140	145	131	105	115	
Casein Co.	...	...	...	...	140	145	
Celluloid Corp.	50¼	18⅝	26	15	13	16	
Celluloid Corp pfd	97	65	68	55	50	55	
*Certainteed Prod	58¾	40¾	49½	37⅛	43⅝	44	
Charcoal Iron	55⅛	12⅞	33½	24	10	20	
Chesebro Mfg Co	74⅜	48¼	72½	65	71½	73	
Clark Co. Fred	5	2⅛	5	2¼	2⅛	4	
Cleve Cliff Iron	75	56	75	69½	70	75	
*Columb Carbon	62¾	40¾	69⅞	55⅝	64⅛	64⅞	
*Com Sol B	189	80¼	144⅞	118¼	207	209	
*Cont Can	93½	60	92½	70	72⅜	73¼	5
*Cont Can pfd	118	114	118⅞	117½	119	122½	
*Corn Prod	42⅜	32⅜	43⅜	35⅝	48⅞	49	
*Corn Prod pfd	127	118⅛	129⅛	122½	125	127	7
*Davison Chem	40¾	27⅞	46¾	27⅛	27⅛	27⅝	7
*Davison Chem. pfd	...	...	...	...	43½	43½	
Devoe & Rayn A	90¼	52	103	33⅞	32¾	34	
*Devoe & Rayn B	...	...	101½	40	99	100¼	
*Du Pont deb	104¾	90	104½	101	106¾	107	10
*Du Pont de Nem	271¼	113¼	238⅞	193⅛	321	324	10
*Eastman Kodak	118	104⅞	112⅜	106⅝	119	119⅞	
*Freeport Texas	24⅞	8	30½	19⅝	30½	30¾	
*Gen Asphalt	70	42½	94	50	74⅛	75⅜	
*Gen Asphalt pfd	109	86½	118¾	94⅞	112	117	
*Glidden	26½	12½	25¾	18	18½	19	
*Gold Dust	51	37	56½	41½	46	46½	
Grasselli	133½	125	145	120	125	130	8
Grasselli pfd	106	101¾	103½	102	101	103	6
Hercules Powd	140	105	152	140½	172	177	6
Hercules Powd pfd	113½	104½	114⅜	110	115	117	7
*Household Prod	47⅛	34½	49⅜	40	42½	43	
Industrial Rayon	26⅞	17	19⅞	10½	6½	7	
*Intl Agr.	24⅛	7⅛	26¼	15¼	10¾	11	
*Intl Agr pfd	85	40	35	83½	74½	76	2
*Intl Nickel	48½	24½	46½	32⅜	37¼	37½	2
*Intl Salt	87⅜	67	84⅝	80	61½	77⅞	6
Mac And & Forbes	...	...	46¼	40	40½	41½	
*Mathieson Alk	107¼	51	106⅛	69⅞	84	85⅜	4
*Mathieson Alk pfd	100	97	100	100	101½	110	
Merck & Co.	...	...	...	...	61	63	
Merrimac	...	...	...	...	75	80	
*Natl Dist	43½	29⅝	34	18	19½	20½	
*Natl Dist pfd	81	52½	73⅛	57	43¼	44	
*Natl Lead	174	138½	174¾	138	150	151¾	
*Natl Lead pfd	118¾	114¼	117½	116	117½	118	
N J Zinc	214½	181	214½	180	203	206	
Niag A pfd	...	...	...	...	80	85	
*Owens Bottle	60⅜	42¾	85	53¾	81¼	81¾	
Penn Salt	...	...	91	71	76	77	5
*Peoples Gas Chi	130	117	130	117	123½	124	3
Proc. & Gam	140	109	163	142½	159	...	
Shawinigan	175	130½	191	167½	170	...	
*Sherwin-Williams	43½	42½	108	107	104¾	...	
*St Jos Lead	52½	36⅜	48⅛	37⅞	39½	40	2
Silica Gel	35	11¼	21	11⅞	14	17	
Swan & Finch pf	16	16	...	...	20	30	
*Swift & Co.	120	109	116	110	114½	115	
Tenn C & C	15¼	7⅝	16	10⅞	11½	11⅝	1
Texas Gulf & S	121½	97½	142	119½	175	175½	10
*Union Carbide	87	85	86½	73	94¼	95	
*United Dye pfd	67	60	58	58	20	54	
Un Gas Imp	120½	79½	144½	84⅛	106½	108	
U S Gypsum	202	115	158	125	145¼	147¼	
U S Ind Al	97¼	72½	82	45⅜	76¼	77	
*U S Ind Al pfd	115	102	108	99¼	109	110	
*Va Car 6% w i	...	...	69	31⅜	37½	40	
Will & Baumer	...	...	...	...	16½	...	

[Industrial Chemicals]

AMMONIA MARKET COMPLETELY DISORGANIZED

Recently Announced Price of 12½c Lb. Not Even Held to on Single Cylinders—Aqua Lower But Neglected By Makers—Sodium Prussiate Contracts Progressing at Last Week's Price of 11c—Formal Reductions Made in Caustic Soda and Soda Ash—Barium Carbonate Offered at $47.00 Ton—Tin Salts Unchanged—Acetate of Lime Advanced to $3.25 100 lbs.

Advanced

Calcium Acetate, 25c 100 lbs. Ammonia, Anhydrous, 2c lb
Ammonia Aqua, ¼c lb

Declined

Soda Ash, Contracts, 1927, 5½c 100 lbs.
Soda Caustic, Contracts 1927, 10c 100 lbs

Trend of the Market

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial c-l .... lb	$.11½	$.11½	$.11½	$.11	$.19½	$.07
Sulfuric Acid, Tanks 66o ..ton	15.00	15.00	15.00	14.00	55.00	20.00
Amm. Sulfate c-l NY ....100lbs.	2.50	2.50	2.50	2.95	7.50	2.65
Bleaching Powder, c-l ..100lbs	2.00	2.00	2.00	2.00	9.50	1.50
Copper Sulfate c-l NY ..100lbs	4.75	4.75	4.75	4.45	20.00	4.60
Potash Caustic c-l Imp. .... lb	.07⅛	.07⅛	.07⅛	.07⅛	.87	.08
Soda Ash, 58 p.c. c-l ..100lbs	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. c-l 100lbs	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate ..... lb	.08¼	.08¼	.08¼	.08½	4.65	.06¼
Sodium Prussiate ..... lb	.11	.10	.10	.10	1.25	.18
Average	3.012	3.012	3.012	2.928	10.79	2.99

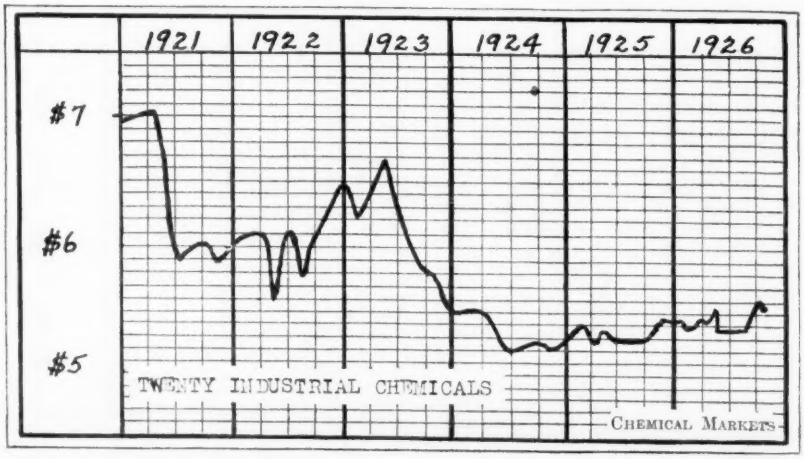
Current Quotations and Comments on Specific Items, Pages 1210-1220

Marked weakness in anhydrous ammonia marked the industrial chemical market during the past week. Makers reported that the recently announced price of 12½c lb. lb was not being adhered to even on orders for single cylinders. Reports were given by makers of contracts closed at as low as 11c lb. It is said to be an open war for business with quotations being given at any figure that will bring business. A report of a price of 10c lb was not confirmed and was said to be unlikely in this territory. While aqua ammonia is definitely lower at 2¾c lb for carlots and 3c for less carlots delivered, makers are giving all their attention to the anhydrous product. Ammonium chloride is easy and goods are obtainable at prices current before the shortage.

Makers of standard brands of alkalis have announced a formal reduction in their schedules effective on spot sales and contracts for 1927. The amount of the reductions are 10c 100 lbs. on caustic, and 5½c 100 lbs. on ash. Any sizeable contracts have commanded special prices, the announced schedules applying only to average buyers. Sodium prussiate makers are busy closing contracts at the price announced last week of 11c@11¼c lb at works. Oxalic acid continues to ease off but prices, which were not advanced by makers, are unchanged. Copper sulfate is in good demand and makers are maintaining prices in all directions.

Reports of a substanial advance in barium carbonate were unfounded, and spot goods were offered during the week at $47.00 ton. Makers of acetate of lime announced an advance of 25c 100 lbs., bringing the price up to $3.50. This is expected to have a strengthening effect upon the market for acetic acid.

Lacquer solvents are in heavy demand. Ethyl acetate is particularly active, but makers state that it is hard to estimate just how much of it is moving into illegitimate channels. Butyl acetate is slightly higher, but is sharply competitive. Makers report that their quotations represent the top of the market. They are discouraging buying ahead due to the low prices. Contracts will be closed for six months, however, with shipments to be made at market price at time of shipment not to exceed $1.60 gal.



SHELLAC UP 20 SHILLINGS

(*Special to* CHEMICAL MARKETS)

London, Nov. 22 (By Radio) — Shellac is up 20 shillings. Trading in heavy chemicals is quiet, and shellac is the feature. Advances are reported in nitrite of soda and potassium prussiate.

The market is firmer for potassium chlorate, and easier for cotton oil.

Lower prices are announced on chlorate of soda.

(*Special to* CHEMICAL MARKETS)

Hamburg, Nov. 11 (By Mail) — The expected improvement in chemicals did not come and the heavy chemical market remains quiet. Especially goods which are used during the Summer are neglected at present, such as naphthalene, benzoic, tartaric, citric and lactic acids. Barium chloride, sal ammoniac and bromides are in good demand, also sodium sulfide.

Business in all lines to Far East remains small. Import into China is prevented by the bad currency of that country. Business to Russia seems to revive.

Quotations are f. o. b. Hamburg. Prices are in £ sterling per 1,000 kilos and in dollars per 100 kilos:

Caustic potash, $12.75; barium carbonate, $3.10; Epsom salts, techn., £1 17s 6d; Epsom salts, U. S. P. £4 5s; borax, powdered, £20; calcium chloride, $3.70; chlorate of potash, $11.50; yellow prussiate of potash, £60; naphthalene balls, £15; carbonate of potash 96-98%, $11.40; white sal ammoniac 98-100 % cryst., $8.25; sodium sulfide 60-62%, fused, £8 2s 6d.

Kessler Chemical Co., Orange, N. J., has appointed H. T. Van Ness, 123 North Alabama st., Indianapolis, as agent in Indianapolis. He will carry a warehouse stock of lacquer solvents and plasticizers, including benzol, toluol, and pigments and colors.

AFRICAN MOLASSES HERE

African blackstrap molasses, 1,500,000 gals., was received at the Deepwater plant of Eastern Alcohol Corp., purchased by the new alcohol company, owned jointly by E. I. du Pont de Nemours & Co. and National Distillers Products Corp. It may take the place of molasses formerly brought from Cuba. Introduction of African molasses is expected to wield a stabilizing influence on the world molasses market. The shipment came from Durban and Port Natal, and the cost, including transportation, compares favorably with that from Cuba. In quality it is said to be on a par with the Cuban product. The company has a similar shipment now en route from Java. These imports are expected to end the dependence upon the vicissitudes of the sugar crops of Cuba. Sugar growers in Africa and the East can probably be depended upon to take up the extra cost of transportation in order to sell a by-product which has heretofore gone largely to waste.

Manufacturers of Bordeaux mixture have agreed on a standard for this preparation on the basis of a copper content equivalent to 13 per cent of the metal. An allowable range down to 12½ per cent has been approved. Manufacturers who adopted the 13-per cent standard are: Ausbacher Insecticide Co., Bowker Chemical Co., California Spray Chemical Co., Chipman Chemical & Engineering Co., Devoe & Raynolds Co., Dow Chemical Co., General Chemical Co., Grasselli Chemical Co., Lucas Kil-Tone Co., Mechling Brothers Chemical Co., Nitrate Agencies Co., Riches, Piver & Co., Interstate Chemical Co., Sherwin-Williams Co.

Business of Lincoln Varnish Co., Riverdale, Chicago, which recently was placed in receivership after the second destruction of their plant by fire, will be wound up and the co-partnership between N. D. Soderstrom and E. C. Habersank, heads of the concern, will be terminated.

Courtaulds, (Ltd.) Coventry, England, are building a plant for the manufacture of cellulose acetate for use in the production of rayon by the acetate process.

Fleischmann Co., 327 South La Salle st., Chicago, will erect a yeast plant at Pekin, Ill., 80 by 90 ft., five-story and basement, estimated to cost $100,000, with equipment.

FEAR SUGAR SHORTAGE

Sugar prices on New York Coffee and Sugar Exchange rose suddenly Nov. 18, on cables from Cuba that President Machado had by decree restricted the Cuban cane crop to 4,500,000 tons. Sales for the day at the exchange amounted to 181,350 bags. The advances in sugar futures ranged from eleven to twelve points. Sales of actual sugar to refineries totaled 500,000 bags of Cubas at the year's record prices of 2.875 cents to 3 cents, with plenty of buyers at the latter price. English and Far Eastern buyers offered more than these prices.

Czarnikow, Rionda & Co. said that Cuba holds the balance of power in the world's sugar markets and contend that the amount of sugar which Cuba is willing to release in competitive markets regulates world prices for the commodity.

Frank C. Lowry, authority on sugar, said: "High prices next Spring will certainly increase beet sowings, so that before 1927 is out we again probably will have too much sugar, with a further prospect of a surplus for 1928."

Griesheim-Elektron is producing "Perchloran" in limited quantities only, because the company is in an agreement with a local chlorine convention not to offer the new product in competition against bleaching powder. "Perchloran" contains 76 per cent chlorine, compared with 35 to 37 per cent in bleaching powder (calcium hypochlorite). The agreement will last three more years. Some perchloran is exported but not in competition with bleaching powder. It is possible for the textile industry to use perchloran for certain applications with results than cannot be attained with bleaching powder.

Wing & Evans have been awarded a contract by Bureau of Supplies & Accounts Navy Department, for furnishing Mare Island, Cal., and Puget Sound, Wash., navy yards with 103,400 pounds of calcium chloride at $1,964.60.

Production of crude copper in the United States in October totaled 75,643 short tons, against 71,728 in September, and 72,014 in August. For the first ten months of the year the production amounted to 724,809 tons.

Michigan Electro-Chemical Co., Menominee, Mich., is to rebuild its plant at Marinette, Wis., recently destroyed by fire with loss approximating $15,000, with equipment.

Aero Brand

AMERICAN CYANAMID COMPANY — AERO BRAND — PRODUCTS

Yellow Prussiate of Soda

Yellow Prussiate of Potash

A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

AMERICAN CYANAMID CO.
511 Fifth Ave. New York City

[Crudes & Intermediates]

MARKET REMAINS IN GENERALLY WEAK STATE

Toluene Continues the Only Light Oil Distillate in Heavy Demand—Benzene Tone Continues to Weaken—Solvent Naphtha and Xylene Freely Offered With Little Consuming Interest—Phenol Competitive as to Price—Naphthalene Fairly Active on Contracts—Pyridine Dull —Intermediates Show no Improvement as to Movement or Prices

Advanced
No Advance

Declined
No Decline

		Trend of the Market					
		Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Benzene, pure tanks wks	gal	.24	.24	.24	.24	1.10	.25
Naphthalene flake	lb	.04½	.04½	.04½	.05¾	.16	.03
Phenol Spot	lb	.18	.18	.18	.22	1.50	.08
Toluene tanks wks	gal	.35	.35	.35	.35		
Aniline Oil le-l		.15	.15	.15	.16	1.40	.10½
Alpha-naphthylamine	lb	.35	.35	.35	.35	1.28	—
Benzaldehyde	lb	.70	.70	.70	.70	—	—
Betanaphthol bbls	lb	.24	.24	.24	.24	1.50	.08
Dimethylaniline e-l		.32	.32	.32	.31	1.30	
Paranitroaniline bbls	lb	.52	.52	.52	.53	1.58	.18
Average		3.11	3.11	0.308	0.316		

Current Quotations and Comments on Specific Items, Pages 1210-1220

Light oil distillates continue to weaken with the exception of toluene which presents to makers the only bright spot on the market. All production of toluene continues to find a ready outlet at firm unchanged prices, due to increasing activity on the part of lacquer makers. Benzene production continues large, and at least one large consumer of motor benzene announces that present contracts will not be renewed as no more benzene is to be used. Reports of contracts for motor benzene at much lower prices are heard. This will, in all probability have its effect upon prices for the pure products. Commercial xylene is moving well, but 5° and 10° are readily available and prices are not interesting to buyers. Solvent naphtha is not finding a ready market.

Phenol quotations remain unchanged, but the situation is far more competitive than would appear on the surface. Severe shading is understood to be current in some directions. Naphthalene is finding activity on contracts at recently announced prices. Pyridine is exceedingly dull in all directions.

Intermediate makers are still experiencing sharp competition in contract business for most products. Para-nitroaniline is an exception and makers are very firm at recent advance. It appears as though the present price on this product will prevail for some time, as makers are taking contracts for next year's business at these figures. Aniline oil is still subject to variations on large business, and makers are not certain at what price the market will eventually settle. Open quotations on the entire list of intermediates are unchanged, but practically all prices are open to some kind of concessions. It does not appear that the situation will right itself until the contract period has passed. Movement of intermediates is of normal routine volume. The market has been generally spotty for some time past, with one week showing an unusual spurt, and the following week showing a marked reaction. Sometimes the activity is more prolonged and continues for two weeks.

Iroquois plant of Youngstown Sheet-Tube Co., located at South Chicago, is to have a by-product coke plant with 120 ovens. Probable cost $5,000,000.

BRITISH COAL-TAR IMPORTS JUMP

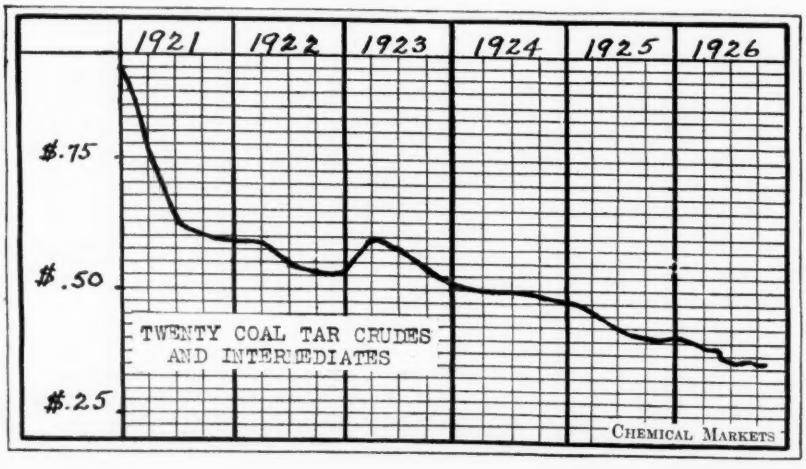
(*Special to* CHEMICAL MARKETS)

Washington, D. C., Nov. 23 — During the first nine months of 1926 the British foreign trade in coal-tar products was marked by an increase of more than 100 per cent in the importation of "coal-tar products, not dyes," undoubtedly due to conditions resulting from the coal strike. Exports of coal-tar products, however, on the whole, maintained their position, with notable increases in creosote, benzol, toluol, and naphtha.

	Jan.-Sept 1925 Cwts	Jan.-Sept. 1926 Cwts
IMPORTS		
Intermediates	1,001	286
Finished products		
Alizarin dyes	10,433	1,464
Synthetic indigo		
Other sorts	20,661	26,783
Natural indigo	132	464
Extracts for dyeing		
Cubeb	54,239	50,793
Other sorts	41,790	25,274
Coal-tar products, not dyes	£531,550	£1,101,121
EXPORTS		
Anthracene cwts	13,816	10,894
Benzol and toluol gals	141,226	420,058
Phenol Cwts.	105,870	92,501
Naphtha gals	39,237	59,476
Napthalene cwts	11,007	13,354
Cresote oil, tar oil gals.	31,552,010	33,922,750
Other sorts cwts	328,275	317,386
Dyes and dyestuffs:		
Products of coal-tar cwts	79,952	63,023
Other sorts	36,138	47,371

Aniline dye imports into the port of Tsingtao, China, declined sharply from $489,188 in 1924, to $201,852 in 1925. The former figure represents speculation and overstocking, which, in addition to disrupting the 1925 market, is still affecting the 1926 demand, arrivals for the first six months having been only one-third of 1925 undertakings.

May Chemical Works, 204 Niagara st., Newark, N. J., has purchased the plant of M. C. S. Chemical Co., a one-story brick factory, 50 by 100 ft. After alterations and improvements, it will be used for increased output. Otto B. May is president.



DYE IMPORTS

(Continued from page 1197)

Schultz No.	Dye and Maker	Pounds
19	Fast light yellow 3G—S	1,024
	Pyzarol orange G conc—S	1,000
	Diazo fast yellow 2G—By	500
496	Rhoduline blue 6G—IG	400
500	Setocyanine—G	110
503	Erio viridine B supra 1—G	5,602
	Poseidon green SGX—IG	
505	Acid green conc—M	220
506	Erioglancine AP—G	11,022
	Erioglancine X high conc—G	
507	Xylene blue XS conc—S	1,000
508	Brilliant acid blueNAS—CN	2,205
512	Magenta AB—IG	2,000
516	Crystal violet extra pdr—IG	500
518	Ethyl violet—IG	400
524	Magenta S—IG	100
531	Eriocyanine AC—G	2,205
536	Alkali blue 4R—K	189
539	Soluble blue T—IG	800
539	Water blue—IG	
541	Brilliant dianil blue 6G—IG	400
543	Brilliant acid blue V—By	1,000
545	Poseidon blue BR conc—IG	2,250
546	Cyanol—C	2,820
548	Acid violet 6 BNOO—IG	520
551	Chromoxane brilliant blue G—By	2,659
551	Frichrome azurol BC—G	
557	Chrome violet—G	220
557	Chrome violet CG—DH	
559	Victoria blue B base—IG	1,800
559	Victoria pure blue BO—IG	
564	Alkali fast green 3G—IG	3,547
564	Erio green B supra—G	
564	Naphthalene green V—M	
579	Sulpho rhodamine B—M	402
579	Sulpho rhodamine B extra—IG	
573	Rhodamine B conc (ss)—G	13,850
573	Rhodamine B extra (ss)—IG	
573	Rhodamine B extra (ss)—Q	
580	Fast acid violet B—IG	100
603	Rhoduline orange NO—IG	500
	Patent phosphine G—I	661
606	Philadelphia yellow 2G—IG	50
607	Runic A L conc—IG	520
607	Runic A L conc—B	
608	Patent phosphine GRNTN—IG	3,400
613	Quinoline yellow—I	551
	Quinoline yellow K T extra—IG	200
618	Basic yellow T—IG	500
673	Azocarmine G X—IG	500
673	Azocarmine B X—IG	
673	Rosinduline 2 B bluish—K	
	Wool fast blue BL—IG	2,331
	Wool fast blue GL—IG	
688	Rosolane paste—StD	50
700	Silver gray P—IG	50
681	Direct gray R paste—G	948
923	Fur black DB—IG	150
	Fur gray G—IG	
622	Brilliant delphine Blue B—S	2,001
627	Chromazurine G—DH	220
627	Anthracyanine S—DH	1,101
627	Chromacetine blue S extra—DH	
635	Modern violet—DH	882
637	Gallamine blue extra paste—G	2,491
645	Gallazine No. 90—DH	441
653	Danubia blue BX—IG	1,250
654	Danubia blue BBX—IG	50
660	Methylene green G extra conc—S	489
661	Thionine blue GO—IG	1,000
663	New methylene blue N—IG	1,250
748	Hydron blue R pdr (ss)—IG	1,000
778	Alizarin VI extra pure—B	11,265
778	Alizarin red VI extra pure—I G	
779	Alizarin orange A paste—IG	1,652
779	Alizarin orange A O paste—BD	
779	Alizarin orange S.W. pdr (ss)—IG	
780	Alizarin red S—IG	1,904
780	Alizarin red S—DB	
780	Alizarin red S—Q	
782	Anthracene brown R pdr—IG	300
799	Alizarin cyanine GC pdr—By	500
	Alizarin blue W S pdr—By	550
	Alizarin sapphire blue S E—I	
858	Alizarin light blue B—S	6,005
	Alizarin light blue R conc—S	
790	Acid alizarin blue BBN—M	500
	Alizarin cyclamine R paste—IG	794
804	Alizarin blue S pdr.—IG	1,096
807	Alizarin black S paste—IG	1,405
852	Alizarin blue J R pdr—By	3,467
852	Alizarin direct violet E R pdr—IG	
852	Alizarin irisol R pdr—IG	
856	Alizarin blue A S—By	96
859	Alizarin light blue R conc—S	1,000
853	Anthraquinone violet pdr—IG	1,500
864	Anthraquinone green GXNO—B	270
863	Anthraquinone blue green BXO—IG	200
854	Alizarin viridine FF pdr—IG	50
862	Chrome blue black B—I	220
855	Alizarin sky blue B pdr—IG	2,760
855	Alizarin sky blue pdr.—By	
861	Anthraquinone blue S R extra pdr—IG	250
	Alizarin rubine 3G GW R—By	2,373
	Alizarin rubinol 5G—IG	
	Alizarin geranol B pdr—By	1,455
850	Vat blue W B pdr.—B	50
759	Anthra yellow G C paste—IG	4 192
759	Anthra yellow G C pdr (ss)—B	
759	Vat yellow GC pdr (ss)—B	
760	Vat golden orange G dbl paste(ss)—IG	14,856
760	Cibanone golden orange fine—IG	2,398
760	Vat golden orange G pdr (ss)—B	
	Cibanone golden orange G pdr (ss)—I	
761	Vat orange RRT paste fine—IG	2,398
762	Anthra scarlet G paste fine—IG	400
763	Vat dark blue BOA paste—B	4,583
763	Vat dark blue BOA paste fine—IG	
765	Vat black B paste—B	2,985
765	Vat black BB dbl paste (ss)—IG	
765	Vat black BB pdr (ss)—IG	
842	Vat blue GCD dbl paste (ss)—IG	10,320
	Indanthrene blue GCDN pdr (ss)—B	
849	Vat yellow G pdr—B	824
867	Anthra brown B paste—IG	842
820	Vat brilliant violet RK paste—IG	951
870	Vat corinth BB pdr (ss)—GrE	880
828	Vat Bordeaux B pdr (ss)—B	1,352
873	Vat brown G R pdr (ss)—IG	500
	Vat brown B paste—GrE	2,294
	Vat brown G paste—IG	
825	Algol red B paste—IG	400
831	Vat red R K pdr (ss)—IG	
831	Vat red R K P pdr—IG	
832	Vat violet BN paste—B	1,512
832	Vat violet BN pdr (ss)—B	
881	Brilliant indigo 4B paste—IG	
881	Brilliant indigo 4B paste—IG	14,460
883	Indigo MLB/6B pdr (ss)—IG	3,000
885	Brilliant indigo B paste—IG	2,558
910	Helindone pink BN paste—IG	1,000
918	Ciba red 3 B paste—I	7,874
918	Ciba red 3 B pdr (ss)—I	
918	Thioindigo red 3B pdr (ss)—K	
918	Vat red violet R H—IG	
913	Helindone orange R paste—IG	2,000
904	Helindone brown G paste—IG	500
907	Anthra scarlet 2 G paste—B	6,996
907	Helindone fast scarlet C paste—IG	2,500
908	Ciba red R paste—I	14,328
911	Ciba orange G paste—I	330

Acid Dyes

Dye and Maker	Pounds
Acid maganta LLS—BD	25
Acid milling yellow G conc—S	500
Acid navy blue MB—Q	10
Acid rhodamine BG—IG	1,000
Alizarin direct red 3 G—Q	110
Alizarin supra blue A—IG	650
Amido fast yellow SR—M	100
Azo fast blue BR conc—IG	100
Azo wool blue SE—Q	120
Brilliant acid blue E G conc—IG	150
Brilliant acid blue F F—By	611
Brilliant milling blue B—IG	4,474
Brilliant milling blue B—C	
Brilliant milling blue FG—IG	100
Brilliant scarlet N—IG	100
Briliant silk blue B—I	110
Brilliant wool blue FFR extra—By	367
Erio carmine 2 BC—G	551
Guinea fast red BL—IG	2,000
Indian yellow GAM—IG	100
Indocyanine B—IG	5,000
Indoine blue BB—IG	25
Ink blue BITBN—IG	2,000
Kiton fast red 4 BL—I	220
Metanil red 3B extra—IG	500
Milling brown R—IG	100
Milling red 6 BA—IG	100
Milling yellow 3 G—IG	200
Milling yellow O—IG	600
Naphthol black BGN conc.—IG	35
Neolan blue BR—I	1,322
Neolan blue GG—I	
Neolan blue GR—I	
Neolan orange R—I	1,102
Neolan pink G—I	1,433
Neotolyl black TL extra—IG	300
Pilatus fast blue GG—IG	100
Pilatus fast gray B—IG	400
Polar gray greenish—G	55
Resorcin brown B—Q	10
Sulpho rhodamine G—M	120
Sulphon orange G—IG	500
Sulphon yellow R—IG	200
Supramine blue R—By	100
Supramine brown G, R—IG	200
Supramine red B, 3B—IG	1,020
Supramine yellow R—IG	250
Wool black ORF—IG	2,500
Wool blue 5B—IG	200
Wool blue N extra—By	110
Wool fast yellow G—By	47
Wool fast yellow 5G—B	552
Xylene brilliant blue FFRX conc.—S	496

Vat Dyes

Dye and Maker	Pounds
Algol blue 3 RP pdr—By	425
Alizarin indigo 5 R paste—IG	200
Alizarin indigo violet B paste—By	100
Anthra scarlet B pdr (ss)—IG	600
Anthra pink B extra paste—IG	2,500
Ciba pink BG paste—I	1,430
Ciba pink BG pdr (ss)—I	
Ciba red 3 BL—I	88
Cibanone green GC paste—I	1,102
Cibanone red 4 B pdr—I	220
Eridan brilliant scarlet R paste—IG	500
Grelanone red 2B paste—IG	250
Helindone blue 3 G conc. pdr (ss)—IG	500
Hydron green G paste—IG	100
Hydron olive GN paste—IG	400
Hydron pink FB paste—IG	500
Hydron pink FF paste—IG	1,800
Hydron scarlet 3B pdr (ss)—C	3,036
Hydron yellow brown G paste—IG	500
Indigosol AZG—DH	110
Indigosol O 4 B—DH	1,212
Indigosol OR—DH	220
Paradone gray B paste—LBH	224
Paradone olive R pdr—LBH	1
Thio indigo violet R paste—K	110
Vat blue RSN pdr—IG	100
Vat blue RZ dbl paste (ss)—IG	1,992
Vat brilliant violet PRP pdr—IG	300
Vat (Hydron) brown G paste—C	220
Vat (Hydron) brown R paste—C	706
Vat brown 2 G pdr (ss)—B	3,576
Helindone brown 2 G pdr (ss)—M	
Vat golden orange 3G paste—B	1,188
Vat golden orange RRTS pdr (ss)—B	165
Vat green G dbl paste (ss)—IG	2,388
Vat green G pdr (ss)—IG	
Vat pink B dbl paste (ss)—B	2,260
Vat pink B pdr (ss)—IG	
Vat printing red B paste—IG	1,300
Vat printing red G paste—IG	
Vat printing violet BF—IG	500
Vat red 2 G paste—By	1,256
Vat yellow GF pdr (ss)—IG	400
Vat yellow RK paste—IG	100
Vat yellow 3 RT conc.—pdr—IG	1,000

Mordant and Chrome Dyes

Dye and Maker	Pounds
Acid alizarin gray G—IG	1,500
Acid anthracene brown PG pdr—By	550
Acid anthracene red 5 BL—IG	500
Acid chrome red B—IG	150
Alizarin astrol violet B pdr—IG	125
Alizarin brilliant sky blue R—IG	100
Alizarin fast gray 2 BL—IG	500
Brilliant chrome blue S—DH	220
Chromanol black RVI—DH	110
Chrome printing Bordeaux B pdr—I	110
Chrome printing red B—DH	440
Chrome printing red Y—DH	441
Chromogene indigo R—IG	10
Chromorhodine 6 GN extra—DH	220
Chromovesuvine RA—DH	110
Eriochromal brown AFB—G	55
Eriochromal brown G pdr—G	110
Eriochrome blue black G—G	5,511
Eriochrome brilliant violet B supra—G	551
Eriochrome red G—G	551
Eriochrome violet 3 B—G	551
Metachrome blue black 2 BX—IG	1,000
Metachrome brilliant blue BLO—IG	100
Metachrome olive 2 G—A	1,000
Metachrome red G—A	796
Modern green N—DH	110
Radio chrome blue B—IG	500
Benzo fast black L—IG	800
Benzo fast blue G—IG	472
Benzo fast Bordeaux 6 BL—IG	300
Benzo fast brown BL—IG	800
Benzo fast eosine BL—By	100
Benzo fast gray BL—IG	1,000
Benzo fast heliotrope 5 RH—IG	200
Benzo fast orange 2 RL—By	1,050
Benzo rhodaline red 3 B—IG	500
Brilliant azurine 5 R—IG	100
Brilliant benzo fast yellow GL—IG	500
Brilliant benzo green B—IG	500
Brilliant congo violet R—IG	500
Brilliant copper blue GW—Q	41

(Continued on page 1207)

[Oils and Fats]

DENATURED OLIVE OIL AND FOOTS LOWER ON SPOT

Both Show Reductions on Better Supply and New Crop Offerings—Cottonseed Off Again, But Presents a Better Tone—Government Consumption Report Larger Than Expected—Linseed Up a Bit Though Market is Quiet—Chinawood Lower

Advanced

Chinawood Oil, spot bbls, ¼c lb. Chinawood Oil, tanks coast, ½c lb. Coconut Oil, Cochin, ½c lb. Corn Oil, crude, tanks ⅝c lb. Corn Oil, crude, bbls, 1c lb. Cottonseed Oil, crude ¼c lb. Cottonseed Oil, PSY, spot ¼c lb. Olive Oil, denat., spot, 10c gal. Olive Oil, foots spot ¾c gal. Olive Oil, foots, ship 1¼c gal. Rapeseed Oil, Japanese, 2c gal. Rapeseed Oil, blown 2c gal. Soya Bean Oil, crude coast, ⅝c lb. Soya Bean Oil, crude spot ¼c lb.

Declined

Linseed Oil, bols spot 0.3c lb.

Trend of the Market

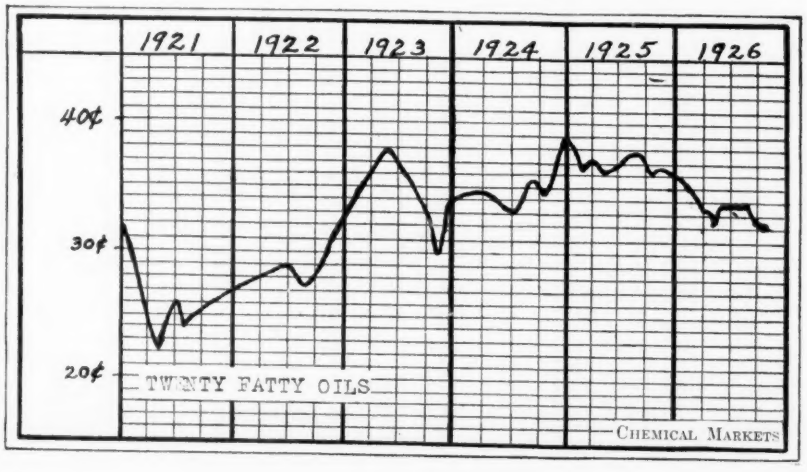
	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Cod Oil NY .....gal.	.65	.66	.66	.64	1.20	.26½
Degras American bbl .....lb	.04¼	.04¼	.04¼	.04¼	.23	.03½
Lard No. 1 .....gal	.82¾	.82¾	.85¾	.96¼	2.90	.92
Menhaden, crude tanks .....gal	.47½	.47½	.47½	.55	1.20	.33
Neatsfoot 20° ct .....gal	1.17¼	1.17¼	1.31¼	1.27¾	8.45	.95
Red Oil distilled .....lb	.10	.10	.10	.11¾	.17	.07
Stearic Acid, T. P. .....lb	.15¼	.15¼	.15¼	.18	.38	.12
Coconut Ceylon tanks .....lb	.08¾	.08¾	.09⅜	.12½	.30	.14
Cottonseed crude tanks ....lb	.06½	.07¼	.07¼	.09	.25	.08
Linseed Crude c-l bbls .....gal	.82½	.84¼	.81	.96	1.85	.57
Olive, denatured .....gal	1.40	1.50	1.50	1.23	4.50	1.05
Peanut refined .....lb	.14¾	.14	.14	.15	.30	.08
Soya Bean bbls .....lb	.12¼	.12¼	.12¼	.13¼	.19¼	.07
Average	4.87	4.88	4.90	4.95	5.92	1.56

Current Quotations and Comments on Specific Items, Page 1222

After maintaining a position as the firmest item in the entire group of oils throughout the soft condition of the market for the past two months, denatured olive oil slumped off last week on spot and showed a correspondingly easier position for shipment. A freer movement of stocks into this market was partially responsible for the action but the approach of new crop offerings was the guiding factor in the decline. Olive oil foots were likewise affected both on spot and for shipment, the reduction in proportion being sharper than on the denatured oil.

Other than this the market in general seemed a bit steadier for most items though there were no price advances to speak of. In fact, there were some few minor reductions, but these movements were discounted to a great extent. Cottonseed oil was the principal item that though it was quoted lower, presented a better tone at the close of last week. The Government consumption report was in excess of the most optimistic predictions and this served to steady the market. Crude corn oil at the mills was off again contingent on the previous movement of crude cotton oil, and inquiry was very light. Lower prices were heard last week on Japanese and blown rapeseed oil on spot, but it is reported that there is a firmer movement afoot at the primary markets for Japanese oil. English rapeseed oil was unchanged. Animal oils and fats continued their easy movements, and though no further reductions were noted, the consuming interest was decidedly routine. Crude soya bean oil in tanks on the Coast was a shade lower on a quiet market.

Spot linseed oil showed the only advance of the whole group, with crushers here advancing their price slightly. From a consuming angle the market continues quiet with still a noticeable lack of demand in any sizeable quantities. The market at Duluth and the Argentine was steady. Fish oils continue to move on an even keel at unchanged levels and of volume satisfactory to sellers. Red oil and stearic, though unchanged, are none too strong and producers are not adverse to shading on a sizeable firm order.



INDUSTRIAL OILS AND FATS IN ITALY

(*Special to* CHEMICAL MARKETS)

Genoa, Italy, Oct. 29—The initiation of the more active season brought animation in demand for industrial oils and fats. Quotations at Genoa are as follows per 100 kilos: Green olive oil, 435 to 440 lire; Italian beef tallow, 620 to 625 lire; bleached palm oil, 610 to 630 lire; white coconut oil, 615 to 620 lire; colophony, 390 to 410 lire; arachis oil, 700 to 800 lire; crude linseed oil, 400 to 445 lire; boiled linseed oil, 450 to 455 lire; colza oil, 730 to 735 lire; denatured colza oil, 630 to 635 lire; English castor oil, 503 to 510 lire.

Some c. i. f. Genoa quotations for industrial oils are as follows per ton: soya oil, £45 to £45 10s; arachis oil, £56 to £57; foreign animal tallow, £41 10s to £43; foreign vegetable tallow, £48 to £48 5s; foreign bone grease, £36 to £37; Lagos palm oil, £38 to £38 5s; bleached palm oil, £42 to £42 5s; foreign coconut oil, £43 to £44; Americon colophony, $12 to $13.50.

$1 = 22.85 lire; 1 £ sterling = 113 lire.

Exports of wood oil from Hankow during October amounted to 8,950,000 pounds, writes Consul General Lockhart; 7,575,000 pounds were shipped to the United States, nearly all the balance going to Europe. Prices at Hankow ranged from 27 taels per picul (0.13 per pound) on Oct. 1, to 25.4 taels (0.11 per pound) on Oct. 30. Imports of wood oil into the United States during the month of September totaled 14,162,418 pounds, valued at $1,527,033.

Building of Brewer & Co., chemical manufacturers, 100 John st., New York, was damaged by fire, last week, and a fireman hurt by broken glass.

DYES STEADY IN ITALY

(Special to CHEMICAL MARKETS)

Milan, Italy, Oct. 28—The higher value of the lira (22.85 lire to the dollar) has lowered considerably the purchase of dyes abroad. Many large consumers and buyers hope in a strong reduction in prices for later. The private sellers of dyes, and especially those who import them from Germany and Switzerland, are arranging reductions of some importance, without however consenting to the arrangement of large contracts. The quotations for some war reparation dyes are as follows per 100 kilos: Naphthol yellow, 4,500 to 7,000 lire; auramine, 6,500 to 7,500 lire; orange II, 1,600 to 2,000 lire; nigrosine water soluble 3,000 to 3,800 lire; nigrosine, soluble in alcohol, 3,300 to 4,000 lire; sulfur black, 770 to 1,200 lire; acid black, 1,700 to 3,200 lire; direct black, 1,600 to 2,700 lire; chrome black, 2,500 to 3,000 lire; methylene blue, 8,200 to 9,700 lire; direct blue, 1,400 to 2,500 lire; sulfur blue, 1,800 to 3,500 lire; malachite green, 7,500 to 9,700 lire; acid green, 6,500 to 7,500 lire; direct green, 1,800 to 3,600 lire; Bismarck brown, 2600 to 3,000 lire; Magenta crystals, 7,500 to 8,600 lire; eosine, 5,500 to 8,000 lire; ponceaux, 2,400 to 3,000 lire; methyl violet, 7,000 to 8,600 lire.

Genoa, Italy, Oct. 29—The demand for dyes at Genoa has increased as a consequence of the larger production of dyed goods of all sorts. Some quotations are as follows per kilo: Nigrosine crystals, 23 to 23.50 lire; direct black, 25 to 28 lire; methylene blue, 84 to 100 lire; auramine, 67 to 76 lire; Magenta crystals, 77 to 87 lire; liquid fustic extract, 7 to 7.50 lire; logwood extract, 6.50 to 7.50 lire; hematine crystals, 10 to 12 lire.

$1 = 22.85 lire; 1 £ sterling = 113 lire.

Soya beans are now cultivated in Italy, on the estate of the Marquis Marignoli, near Spoleto. Experiments show the soya bean can be grown in seventy-five days on wheat land which otherwise would lie fallow between crops. No irrigation or other expenses to increase the crop were found necessary.

Frederick Oliver Pierce, of F. O. Pierce Co., paint manufacturers, which was incorporated in 1896, died Nov. 14, in Brooklyn. He was in his ninety-third year and had lived in Brooklyn for more than fifty years. Mr. Pierce was born in Worcester, Mass., and was formerly with Anderson, Douglas & Pierce, formed in 1847.

ITALIAN MINERAL COLORS HIGHER

(Special to CHEMICAL MARKETS)

Genoa, Italy, Oct. 29—The increased naval constructions and continual enlarging of our town keep up the demand for oil paints, and consequently of mineral colors, and especially of chrome yellows and oranges, mineral greens, ultramarine blues, prussian blues and cobalt blues. Some prices are as follows per 100 kilos: Italian zinc white, 500 to 550 lire; foreign zinc white, 600 to 650 lire; Italian lithopone, 300 to 325 lire; foreign lithopone, 350 to 400 lire; white lead, 560 to 600 lire; chrome yellows without zinc, 350 to 1,100 lire; chrome yellows with zinc, 1,300 to 1,350 lire; English mineral reds, 125 to 130 lire; Italian red iron oxide, 150 to 180 lire; foreign red iron oxide, 200 to 250 lire; foreign brown iron oxide, 75 to 125 lire; iron minium, 125 to 175 lire; cinnabar, 5,200 to 6,000 lire; artificial cinnabar, 500 to 1,150 lire; lead minium, 500 to 600 lire; lead minium imitation, 170 to 200 lire; red earths, 60 to 90 lire; yellow earths, 60 to 90 lire; green earths, 200 to 250 lire; ultramarine green, 650 to 800 lire.

Pratt & Lambert, Buffalo, varnish, have elected A. D. Graves, president, J. N. Welter, chairman of the board, H. E. Webster, senior vice-president, J. P. Gowing, who continues as manager of railway sales, vice-president. The new treasurer is W. P. Wertheim, director of advertising for nineteen years. R. W. Lindsay continues as general sales manager.

DYE IMPORTS

(Continued from page 1205)

Dye and Maker	Pounds
Brilliant pure blue B—Q	551
Brilliant pure yellow 6 G extra—By	372
Brilliant sky blue 8G extra—By	220
Brilliant sky blue R—By	300
Chloramine fast violet R—S	10
Chloramine violet FFB—IG	500
Chlorantine fast blue 2 GL—I	3,196
Chlorantine fast blue 8 GL—I	2,094
Chlorantine fast gray B—I	2,204
Chlorantine fast violet RL—I	1,984
Chlorantine fast violet 2 RL—I	1,102
Chlorantine fast violet 5 BL—I	5,507
Chlorantine fast yellow 4 GL—I	1,102
Chlorazol fast orange AG—BD	1,000
Columbia catechine G—IG	500
Columbia catechine 3 B—IG	100
Cotton black AC—IG	100
Developing blue B—IG	200
Diamine brilliant scarlet S—C	230
Diamine bronze brown PE—IG	100
Diamine catechine G—IG	200
Diamine catechine 3G—IG	500
Diamine fast Bordeaux 6 BS—IG	300
Diamine fast brown 3 G—IG	100
Diamine fast orange EG—IG	500
Diamine fast orange ER—C	1,555
Diamine fast orange ER—IG	
Diamine steel blue L—IG	100
Diaminogene GG—S	1,653
Dianil fast violet BL—IG	500
Diazanil pink B—IG	100
Diazo brilliant blue 2BL—extra—IG	600
Diazo brilliant green 3 G—IG	2,000
Developed brilliant green 3 G—By	
Diazo brilliant scarlet 6 B extra—By	499
Diazo brown 2 GW—I	220
Diazo fast blue 6 GW—I	1,764
Diazo fast Bordeaux BL—IG	500
Diazo fast violet BL—By	500
Diazo fast violet 3 RL—By	485
Diazo indigo blue 2 RL—IG	300
Diazo sky blue 3 G—IG	441
Diazo sky blue 3 GL—IG	700
Diazol light red N 8B—CN	4,409
Diphenyl brown BBNC—G	1,102
Direct brown G conc.—S	336
Direct fast violet B—By	445
Direct red 12B—By	267
Fast cotton rubine B—IG	100
Formal fast black G conc.—G	110
Half-wool blue G—IG	1,300
Half-wool blue 3R—IG	1,000
Minaxo black BBNX—B	200
Minaxo fast BX—B	103
Minaxo light pink BBX—IG	200
New Bordeaux RX—IG	100
Paper red A extra—IG	1,000
Parasulphon brown G—S	500
Pluto black G extra—By	970
Rosanthrene violet 5R—I	110
Sky blue N—IG	269
Trisulphon brown MR—S	10
Zambesi black D—IG	1,000
Zambesi black V—IG	500
Dyes for Artificial Silk	
Cellit fast brown G—IG	50
Cibacete diazo black B paste—I	110
Cibacete orange 3G paste—I	110
Cibacote orange 2R paste—IG	110
Cibacete red GR paste—I	110
Cibacete scarlet G paste—I	110
Cibacete turquoise blue paste—I	110
Cibacete violet 2 R paste—I	110
Cibacete yellow 3 G paste—I	110
Cibacete yellow R paste—I	110
Dispersol yellow 3G paste—BD	212
Duranol blue G paste—BD	336
Duranol red 2B paste—BD	268
Pink B extra paste—IG	100
Ionamine H—BD	40
Setacyl direct blue G pdr—G	440
Setacyl direct blue R pdr—G	496
Setacyl direct orange 2R pdr—G	660
Setacyl direct violet R pdr—G	55
Yellow 3G paste—IG	100
Yellow R paste—IG	50
Rapid Fast Dyes	
Rapid fast orange RG paste—IG	500
Rapid fast pink BL paste—IG	500
Rapid fast red GL paste—IG	3,000
Basic Dyes	
Acridine flavine R—DH	551
Acridine scarlet J—DH	55
Brilliant acridine orange R conc.—Roh	220
Phosphine orange—G	106
Rhodamine 6 GDN extra (ss)—IG	2,500
Rhoduline sky blue 3 G—IG	368
Thio violet 5 R—DH	55
Xantho phosphine G—DH	22
Sulphur Dyes	
Indo carbon CL—IG	3,000
Indo carbon SN—IG	2,500
Katigene indigo CLGG extra—By	441
Pyrogene brown G—I	551
Pyrogene green GK—I	1,543
Thionol black XXN conc.—BD	500
Thionol brown R—BD	2,240
Thionol green B—BD	7,500
Thionol yellow GR—BD	2,240
Ceres yellow III—IG	20
Hansa yellow G pdr—IG	25
Hansa yellow GSA—IG	2,000
Helio fast rubine LBK pdr—By	200
Helio fast violet AL—By	300
Helio fast yellow H 10G pdr—By	200
Paper fast Bordeaux B—IG	300
Stone rubine G pdr—IG	100
Tero black FB—IG	300
Tero yellow FR—IG	500
Unclassified Dyes	
Ink blue H—G	55
Whitex washing blue—Fze	17,000
Coal-tar colors, miscellaneous—Q	138
Color Lakes of Coal-Tar Origin	
Name of Lake	**Pounds**
Brilliant green GR pdr	1,000
Madder lake VN pdr	600
Permanent yellow H	10
Root madder lake Z pdr	25
Violet lake in drops	224
Violet S pdr	200

[Industrial Raw Materials]

ENTIRE MARKET QUIET AND ROUTINE THOUGH STEADY

Spot Turpentine Fractionally Lower—Savannah Market Shows Advances Over Last Week—Rosins Up Here and in the South—Tanning Materials in Some Better Demand—Varnish Gums Quiet—Blood Albumen Quiet

Advanced	Declined
Albumen, Egg edible, 2c lb.	Albumen blood 5c lb.
Rosin, B, D, E, F, G, H, I, K 10c 280 lbs.	Turpentine, spot, 1½c gal.

Current Quotations and Comments on Specific Items, Pages 1224-1226

There was no particularly significant movement in this group over the last week. The opinion was expressed in most quarters that business was rather quiet, although prices are fairly well maintained with no particular pressure to sell.

There was a slight advance on the spot price of rosin in keeping with the upward trend noted at the primary markets. It is probable that rosins will continue to show advances for the present with most of the supply gathered and on the way to the seaboard. Turpentine closed last week a bit easier than the previous week's close, but no further indication of weakness was apparent, for stocks were moving in fair volume both to consumers here and exporters to Europe. All tanning materials were in some better demand last week and in some cases the prices for shipment were adjusted upward. This is particularly true of valonia which has shown rather a strong advance since the early part of the month. Sellers of starches, dextrins and tapioca are experiencing a good inquiry at a time when advances have been made on all imported grades of these items, due to crop conditions on the other side.

All grades of albumen are moving fairly well, with leading importers of edible egg reporting a firmer market in China, and a consequent advance here of 1c lb. Sales of blood albumen have been made at reduced figures recently, but the market is steady and small orders are bringing the top of the market.

(Special to CHEMICAL MARKETS)

Savanah, Ga., Nov. 22—The local turpentine market closed firm last week at 82½c gal. Saturday's closing price showed an advance of 2¼c gal. for the end of the week. The present improvement in the market is probably due to the fact that some foreign freight space has been available for the shipment of stocks from here. As stated previously, the difficulty in securing foreign freight bookings has been largely instrumental in the declines of the past few weeks. Indications are that turpentine will advance further, and some of this advance will probably be maintained for an indefinite period. Receipts of turpentine last week were 3,124 bbls.; sales reported, 1,246 bbls.; shipments 1,468 bbls. and stocks today 19,503 bbls.

The rosin market closed firm with all grades selling at advances of about 25c@35c. Today's market as compared to a week ago is about 30c higher on fine grades and 60c higher on medium and common grades. Saturday's offering of 628 bbls. was taken by one exporter with four other buyers bidding on practically the same basis. On the strength of the current demand it is expected that this week will show further advances. As in the case of turpentine the sales here have been rather retarded by the lack of freight space. Receipts of rosin last week were 11,985 bbls.; sales reported, 6,575 bbls.; shipments, 5,576 bbls. and stocks on Saturday, 77,788 bbls.

Jacksonville, Fla., Nov. 20—Turpentine closed firm today at 82½c gal. with offerings sold to one buyer. Rosins likewise closed firm with the offerings of 1,061 bbls. sold to two buyers. Turpentine stocks are 34,876 bbls.; rosin stocks, 70,158 bbls.

Farmers' Fertilizer Co., Decatur, Ala., will build plants to cost about $35,000, with equipment.

Alliance Fertilizer Co., Alliance, O., will rebuild its mill, destroyed by fire, Aug. 28, with loss in excess of $50,000, including equipment.

Denatured Alcohol

ALL FORMULAS

Fillers

WHITING — XXX, Superfine, 313, Caltex.
MAGNESIA — Carbonate, Oxide, Technical & U.S.P., Light & Heavy.

Phenol

Para-Chlor-Phenol
Para-Chlor-o-Amido-Phenol
Ortho-Chlor-Phenol
2:4-Di-Chlor-Phenol
Ortho-Nitro-Para-Chlor-Phenol

Wood Chemicals

Acetate of Lime
Methanol
Acetone
Formaldehyde

WM. S. GRAY & CO.
342 Madison Avenue
New York City
Tel. Vanderbilt 0500

[Agricultural Chemicals]

NITRATE AGAIN HIGHER ON INCREASED FREIGHTS

Importers Forced to Advance Price 2c 100 Lbs.—Market Very Routine—Some Activity in Blood on Chicago Market—Tankage Quiet and Unchanged—Sulfate of Ammonia Moving Routinely—Market Generally Quiet—Insecticides Active

Advanced	Declined	
Nitrate of Soda, spot, 2c 100 lbs.	Blood, S. A. 10c unit Bone Meal, imp. $1.00 ton	Cyanamide, imp., 05c unit

Current Quotations and Comments on Specific Items, Pages 1210-1220

An advance in the spot price of nitrate of soda was again the feature of the local fertilizer market last week. Sellers explained that this most recent advance is due to the same reason as the previous ones—higher costs to them, because of increased freights from Chile. The amount of business being done in nitrate certainly does not warrant an advance as sales have been made in a limited way only and for immediate delivery. Importers here apparently don't care to order forward replacement stocks at the prevailing figures and as a consequence the spot market is not oversupplied. In the event that the shipping position eases up in the near future, it is hoped that trading will be more freely engaged in.

Otherwise the market has not shown any particular activity over the past ten days. The failure of the mixers to buy up to the expectations has been responsible for this condition to a great extent. There have been some good sales of blood on the Chicago market at advanced prices during the period but this market and South American has been very quiet. The same is true of tankage in all directions with sellers holding steady at the levels which have prevailed for some time. The price of fish scrap at the fish factories was fractionally lower last week, but the market is steady at the new level for all catching activity has definitely ceased and available stocks are none too large.

There was some little movement in both domestic and imported bone meal at prices in line with the market which has prevailed.

Insecticide manufacturers are lining up new contract business for the year, and though it is early to predict, the opinion is expressed that this year's sales should compare favorably with those of last year. Prices of the principal insecticides, Bordeaux mixture, lime sulfur solution and nicotine sulfate are unchanged. Calcium arsenate is a dead item at this time.

Insecticide and Fungicide Board, Department of Agriculture, has made its annual report for year ended June 30, reviewing the Insecticide Act as a protection to consumers and pointing out the improved condition of the farmer as a purchaser of insecticides.

C. Bascom Slemp and associates in Farmers' Federated Fertilizer Corp. are at Muscle Shoals with New York financiers, and will submit an offer for the property when Congress meets, in the form of a bill.

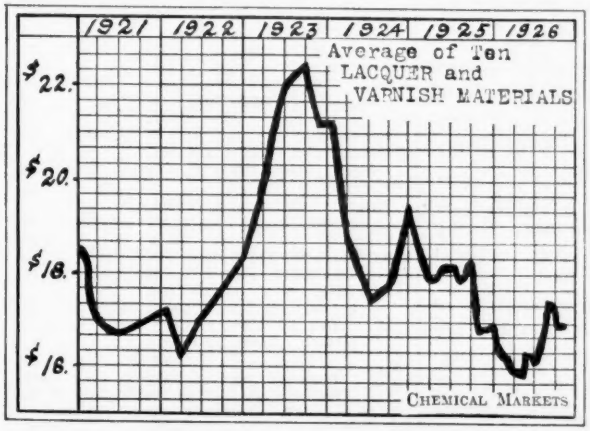
Armour Fertilizer Co., Carteret, N. J., is completing a one-story addition to its plant, to be used for storage and distributing service.

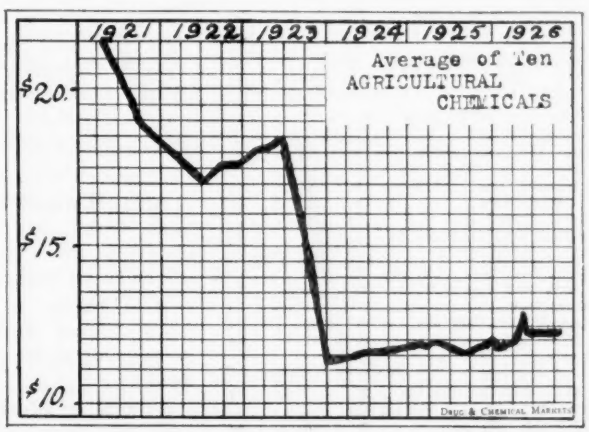
Lacquers and Varnishes

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acetone c-l drs wks 10lb	1.20	1.20	1.20	1.20	5.50	1.05
Butyl Al cl drs wks 10lb	1.93	1.93	1.95	2.17		
Chinwd Oil bbls NY 10lb	1.52	1.52	1.55	1.35	2.00	.68
Copal Congo, Amber 10lb	1.00	1.00	1.00	1.00	1.90	1.80
Fusel Oil .....gal	1.30	1.30	1.30	1.90	4.00	2.50
Benz 90% tks wks 10gal	2.40	2.40	2.40	2.40	3.00	2.50
Linseed Oil c-l bbls gal.	.82½	.81	.81	1.03	1.88	.58
Rosin F grade NY 28lb	1.32	1.33	1.45	1.60	1.70	.45
Soluble Cotton 10lb	4.00	4.00	4.00	4.00		
Turp c-l dock .....gal	.86	.86½	.89½	1.14	.70	.49
Average	1.640	1.641	1.650	1.774		

Agricultural Chemicals

	Today	Two Weeks Ago	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric 66° .ton	$15.00	$15.00	$15.00	$14.00	$55.00	$20.00
Amm. Sulfate ..100lbs	2.50	2.50	2.50	2.95	1.75	2.65
Arsenic 100lbs	3.50	3.50	3.50	3.00	18.00	4.00
Copper Sul c-l ..100lbs	4.75	4.75	4.75	4.45	20.00	4.60
Paris Green	.19	.19	.19	.19	.50	.11
Potash Muriate 80% ton	36.00	34.60	34.90	34.90		
Potash Sulfate 90% ton	46.85	45.85	45.85	45.85	440.00	48.07
Phosphate Acid, 16% ton	10.00	10.00	10.00	10.10	11.00	3.00
Phosphate Rock 68% ..	3.00	3.00	3.00	3.00	2.65	3.00
Sodium Nitrate ...100lbs	2.54	2.49	2.46	2.59	5.00	1.90
Average	12.433	12.143	12.209	11.868	103.50	13.84





Prices Current

Heavy Chemicals, Coal-tar Products, Dye-and-tanstuffs, Colors and Pigments, Fillers and Sizes, Fertilizer and Insecticide Materials, Naval Stores, Fatty Oils, etc.

Chemical prices quoted herein are those of American manufacturers for goods, spot New York, f. o. b., or ex-store, for immediate shipment, unless otherwise specified. Industrial chemical products sold principally on a basis of f. o. b. works are specified as such. Quotations on imported chemicals are so designated. Resale stocks sufficient to be a factor in the market, are quoted in addition to makers' prices and are indicated as "second hands."

Oils and fats are quoted spot New York, or ex-dock. Quotations on products sold f. o. b. mills, or spot Pacific Coast are so designated.

Industrial raw materials are quoted spot New York, f. o. b., or ex-dock. Materials sold f. o. b. works or delivered at various sections of the country are so designated.

The range of prices given is not "bid and asked," but indicates quotations from different sellers, based on varying grades or quantities or both. Containers named are the original packages most commonly used in the New York market.

Chemicals

Acetaldehyde
Acid Hydrocyanic

Acetaldehyde drs, or cyl. c-l wks	lb	...	.22
le-l wks	lb	.24	.26
ACETANILID, tech 150 lb bbls	lb	.20	.21
100 lb kegs	lb	.22	.23
Acetic, Anhydride			
85% 107 lb cbys	lb	.27	.30
92-95% 100 lb cbys	lb	.29	.35
Acetic Ether, see Ethyl Acetate			
Acetine, 50gal drums	lb	.37	.40
Acetone, CP, 700 lb drs c-l wks	lb	...	.12
Tank cars, wks	lb	...	.12
700 lb drs., le-l wks	lb	.13	.13½
350 lb drs le-l wks	lb	...	.14
Acetone Oil light drs wks	gal	1.65	1.75
Heavy, drs wks	gal	1.65	1.75
Acetyl Chloride 100 lb cbys	lb	.42	.45
Acetylentetrabromide	lb	...	1.50
Acetylenetetrachloride Drums wks	lb	.10½	.11
ACID, 1, 2, 4, 250 lb bbls	lb	...	1.25
Acetic, 28% 400 lb bbls c-l wks	100 lb	...	3.38
28% le-l wks	100 lb	...	3.63
56% c-l wks	100 lb	...	6.34
56% le-l wks	100 lb	...	6.59
70% bbls c-l wks	100 lb	...	7.82
70% le-l wks	100 lb	...	8.07
80% com'l bbls c-l wks	100 lb	...	8.77
80% com'l le-l wks	100 lb	...	9.02
80% pure bbls c-l wks	100 lb	...	9.75
80% pure le-l wks	100 lb	...	10.00
Glacial bbls c-l wks	100 lb	...	11.92
Glacial, le-l wks	100 lb	...	12.17
Glacial, USP, cby wks	100 lb	...	12.65
Anthranilic, tech., drs	lb	...	.80
99-100% 100 lb drs	lb	.98	1.00
Benzoic, tech., 100 lb bbls	lb	.58	.60
ton, lots bbls	lb	...	.57
Boric crys., powd., 250 lb bbls	lb	...	.08½
Kegs 100 lb	lb	.09	.09½
Butyric, 60% pure 5 lb bot	lb	.55	.60
90%	lb	.70	.75
Carbolic, crys., see Phenol			
Crude 35% 50gal bbls	gal	.31	.33
10% 50gal bbls	gal	.25	.28
Carbonic, see Carbon Dioxide			
Chloracetic			
Mono 100 lb bbls wks	lb	...	.25
Di, 150 lb cbys wks	lb	...	1.00
Tri, 5 lb bot	lb	...	2 50
Chlorosulfonic, 1500 lb drs wks	lb	.15	.16
Chromic			
98% pure 400 lb drums	lb	.37	.40
Chromotropic, 300 lb bbls	lb	1.00	1.06
Citric, USP, cryst 230 lb bbls	lb	.44½	.45
Powd., USP, 200 lb bbls	lb	.45½	.46
Imported, crys., 112 lb kegs	lb	.44½	.45
Single kegs	lb	...	.47
Cleve's 250 lb bbls	lb	.95	.97
Cresylic, 95% dark drs NY	gal	.57	.60
97-99% pale NY	gal	.60	.65
Formic, 85% tech., 140 cbys	lb	.10	.10½
90% 90 lb cbys incl	lb	.10½	.11
Gallic, Tech.,	bbls	.50	.55
Gamma, 225 lb bbls wks	lb	1.00	1.06
H 225 lb bbls wks	lb	.57	.63
Hydrobromic, 48% com'l 155 lb cbys wks	lb	.45	.48
48% com'l 10 cbys wks	lb	...	.45
Hydrochloric, see also Acid Muriatic			
Hydrocyanic, wks cyl	lb	.80	.90
HYDROFLUORIC, 30% 400 lb bbls wks	lb	...	.08

Accelerators—Leading makers report a fair movement into consumers' hands at prices which have shown no change from the usual schedule price.

Acetone—Prices are firm and unchanged due to large home and export demand.

Acetic Anhydride—Situation remains without change. Quotations given at recent figures, but competition is quite keen.

Acid Acetic—Market is quoted higher following advance in acetate of lime of 25c 100 lbs. Makers name carlots at $3.38 for 28%, $6.34 for 56%, $7.82 for 70%, and $11.92 for glacial.

Acid Boric—Market is quiet but firm at 8½c lb for barrels and 8½c lb for kegs.

Acid Cresylic—Conditions surrounding this product show no change in this country. The reports of the settling of the coal strike are not having any noticeable effect upon the prices quoted as the advent of strike did not advance prices.

Acid Formic—Market is quiet and prices are firm and unchanged in all directions. Consuming demand is excellent.

Acid Gamma—Situation is unchanged with leading makers naming $1.00@$1.03 lb as to quantity and competition for business exceedingly keen.

Acid Muriatic — Contracts for next year's business are being closed at prevailing levels without difficulty on makers' part.

Acid Nitric — Movement is of good volume and contracts are being closed at prevailing quotations.

Acid N & W—In sharp competition but quoted unchanged by makers.

Acid Hydrofluoric
Acid Sulfuric

ACID, HYDROFLUORIC (Cont'd)			
30% 100 lb cbys wks	lb	...	.08
48% single 100 lb cbys wks	lb	...	.10
52% 100 lb cby., wks	lb	...	.12
52% 100 lb cbys wks	lb	...	.11
60% 100 lb cby wks	lb	...	.14
60% 300 lb dr wks	lb	...	.13
White Acid, 100 lb cby wks	lb	...	.26
White Acid, 10 cbys wks	lb	...	.25
Hydrofluosilicic, 35% 450 lb bbls wks	lb	...	.11
J kegs wks	lb	...	3.00
LACTIC, 22% dark 500 lb bbls	lb	.05½	.06
22% light bbls	lb	.06½	.07
44% dark bbls	lb	.11	.12
44% light bbls	lb	.13	.13½
66% dark, bbls	lb	.13	.13½
66% light bbls	lb	.26	.27
Laurent's 250 lb bbls	lb	.52	.54
Metanilic, 250 lb bbls	lb	.60	.65
Mixed, Sulfuric-nitric			
Drums, wks	N Unit	.07¾	.08
Drums, wks	S Unit	.01	.01½
Tank cars, wks	N Unit	.06	.06½
Tank cars wks	S Unit	.008	.01
Molybdic 85% pure 100 lb kegs	lb	1.25	1.30
Monosulfonic F Delta 50 lb tins	lb	...	1.65
MURIATIC, 20° cbys le-l wks	100 lb	1.70	1.80
cbys c-l wks	100 lb	...	1.45
Tank cars wks	100 lb	...	1.05
18° 120 lb cbys c-l wks	100 lb	...	1.35
Tank cars, wks	net ton	...	.95
22° 120 lb cbys			
Naphthionic tech, 250 lb bbls	lb	.55	.59
Nevile & Winther's 250 lb bbls	lb	.95	.99
NITRIC 36° 135 lb Cbys le-l wks	100 lb	...	5.25
Cbys c-l wks	100 lb	...	5.00
38° le-l wks	100 lb	...	5.75
40° le-l wks	100 lb	...	6.25
Cbys c-l wks	100 lb	...	6.00
42° le-l cbys wks	100 lb	...	6.75
Cbys c-l wks	100 lb	...	6.50
CP, cbys single wks	100 lb	.12	.13
Oxalic, 300 lb bbls. wks	lb	.11	.11¼
Bbls. NY	lb	.11	.11¼
Kegs, 100 lb NY	lb	.11½	.11¾
Imp., 560 lb casks	lb	.11½	.12
Phosphoric, 50% tech., 150 lb Cbys	lb	.07	.07½
Syrupy USP, 70 lb drums	lb	.16	.17
Demis	lb	.17	.18
Imported	lb	.16	.17
Phthalic, See Phthalic Anhydride			
Picramic, 300 lb bbls	lb	...	.50
Picric, 450 lb bbls c-l	lb	.30	.33
Pyrogallic, tech., powd. 200 lb bbls	lb	...	.86
S kegs	lb	...	2.50
Salicylic tech., 125 lb bbls	lb	.27	.32
Sulfanilic, 250 lb bbls	lb	.15	.16
SULFURIC, 66° 180 lb cbys le-l wks	100 lb	1.60	1.95
Cbys c-l wks	100 lb	...	1.35
1,500 lb Drums le-l wks	100 lb	...	1.20
Drums c-l wks	100 lb	...	1.00
Tank cars, wks	net ton	...	15.00
60° 1500 lb drums le-l wks	100 lb	...	1.10
Drums c-l wks	100 lb	...	.87½
Tank cars, wks	net ton	...	10.50

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Aluminum Stearate

Chemicals

Aluminum Sulfate
Barium Hydrate

ACID SULFURIC (Cont'd)			
C.P. 175 lb cbys .....100 lb	.07	:	.08
Oleum 20 pe 1500 lb drums lc-l wks .....100 lb	...	:	1.50
Drums c-l wks 100 lb	...	:	1.25
Tank cars, wks ..net ton	18.00	:	19.00
Oleum 40% drs lc-l wks net ton	...	:	42.00
Oleum 60% drs lc-l wks net ton	62.00	:	72.00
Tannic, tech., 300 lb bbls .. lb	.30	:	.40
Tartaric, USP, cryst., 300 lb bbls ..... lb	...	:	.29½
USP, powd., 300 lb bbls .. lb	...	:	.29½
Imp., USP., 240 lb bbls .. lb	.28½	:	.29
Powd., 240 lb bbls .... lb	.28½	:	.29
Tobias, 250 lb bbls ..... lb	...	:	.85
Tungstic, 100 lb kegs ..... lb	...	:	1.00
Adeps Lanae hydrous 350 lb bbls lb.	.15	:	.20
Anhydrous, 350 lb bbls ..... lb.	.19	:	.23
ALCOHOL, amyl See Fusel Oil			
Benzyl 5 lb bot ..... lb	1.45	:	1.55
Butyl Normal 50gal drs wks c-l lb	.19¼	:	.20¼
Drums lc-l wks ..... lb	.19¾	:	.20¾
Tanks cars wks ..... lb	.18¾	:	.19¾
Butyl Tertiary 50gal drums ..gal.	.50	:	.54
Anhydrous ..... gal	...	:	.75
Diacetone, 50gal drs freight Allowed ..... gal	1.70	:	1.90
Ethyl, USP 190pf 50gal bbls gal	4.75	:	4.80
Anhydrous, drums ..... gal	.50	:	.55
Denatured			
No. 1 complete denat. 190pf 50gal bbl incl ..... gal	...	:	.44½
Carlots ..... gal	...	:	.42½
50gal drums extra ...gal	...	:	.35½
Tank Cars ..... gal	...	:	.33½
No. 1 Special denat. 190pf 50gal bbl incl ..... gal	...	:	.44½
Carlots ..... gal	...	:	.42½
50gal drums extra ..gal	...	:	.35½
Tank cars ..... gal	...	:	.33½
No. 5 Complete denat. 188pf 50gal bbl incl ..... gal	...	:	.42
Carlots ..... gal	...	:	.40
50gal drums extra ...gal	...	:	.33
Tank cars ..... gal	...	:	.31
In addition to the regular authorized formulae for completely denatured alcohol, soce 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.			
Isobutyl crude 50gal drs ....gal	...	:	...
Refined 10 lb cans ..... lb	...	:	..
Isopropyl, refined, 90-91% 50 gal drs ..... gal	1.00	:	1.25
Propyl nml., 50gal drs ..... lb	...	:	1.00
Ref'd. 98-99% drs ..... gal	1.25	:	1.50
Aldehyde Ammonia, 100gal drums lb	.80	:	.82
Alpha-Naphthol crude 300 lb bbls lb	...	:	.65
Refined ..... lb	.85	:	.90
Alpha-Naphthylamine, 350 lb bbls lb	.35	:	.37
Ton lots bbls wks ..... lb	...	:	.35
ALUM, Ammonia, lump 400 lb bbls wks lc-l .....100 lb	3.15	:	3.50
Ground 400 lb bbls wks 100 lb	3.25	:	3.65
Powd. 380 lb bbls wks 100 lb	3.65	:	3.90
Chrome, 500 lb cks., wks lb	5.25	:	5.50
Potash, lump, 400 lb wks. 100 lb	3.50	:	3.75
Bbls c-l wks .....100 lb	3.35	:	3.40
Imported lump .....100 lb	...	:	3.25
Ground 400 lb bbls wks 100 lb	3.50	:	3.85
Imp., 350 casks .....100 lb	2.65	:	3.00
Powd., 380lbs bbls wks 100 lb	3.50	:	4.00
Chrome, 500 lb casks wks 100 lb	5.25	:	5.50
Grd., 400 lb bbls wks 100 lb	...	:	3.75
Bbls., c-l wks ....100 lb	...	:	3.50
Soda .....100 lb	...	:	3.25
Aluminum metal, c-l NY ...100 lb	...	:	27.00
Chloride, anhyd 275 lb drs .... lb	.35	:	.40
Crystals, 375 lb bbls .... lb	...	:	.06½
30% sol., 120 lb cbys .. lb	...	:	.08
Hydrate 96% light 90 lb bbls lb	.17	:	.18
Hvy., 62-64% 220 bgs lb	.06	:	.06½
400 lb bbls wks ..... lb	.06½	:	.07
Stearate, 100 lb bbls ..... lb	.23	:	.24

Acid Nitric—Contract closings are proceeding at a normal rate with prices firm and unchanged.

Acid Oxalic—Easier conditions prevail with domestic makers taking care of a greater part of the demand than heretofore. Prices are unchanged.

Acid Sulfuric—Contract closings are progressing at a steady rate at firm unchanged prices. Consumers are very willing to be covered for the coming year due to the continued strength in the market for sulfur.

Alcohol Denatured—The return of warm weather has caused a lessening of demand from anti-freeze consumers. New business is slight. A temporary weakness appears present in some directions due to some makers attempting to force contracts on unwilling buyers. It is stated by one authority that Winter requirements have been covered to about 60% of the estimated consumption, against 90% covered at this time last year.

Alums—In moderate routine demand from first hands at fairly steady prices.

Ammonia Anhydrous—This market is completely demoralized and no definite prices exist. After the recent announcement of 12½c lb as the price for cylinders, ruthless competition for business sprang up in some directions and finally it spread to all makers. The situation is the same as it was a year ago last September except that the price cannot fall as far as it did at that time. Makers admit that they are naming any price that will bring the business. The price of 12½c lb does not even hold for single cylinders, and as low as 11c lb is reported to be offered on contracts.

Ammonia Aqua—Due to leading makers being more concerned with anhydrous at the moment, competition in this product has quieted down. Prices, however, have fallen to a new low level and makers name 2¾c lb for carlots of cylinders delivered, and 3c lb delivered for less than carlots. Tanks are moving at 2¼c lb.

Ammonium Chloride — Demand has eased off very considerably and supplies are plentiful on spot. Imported white is quoted at 5½c lb. and gray at 6c lb.

ALUMINUM			
SULFATE, Iron-free bags c-l wks .....100 lb	...	:	1.75
Bbls c-l wks .....100 lb	...	:	1.90
Imported, spot ....100 lb	1.60	:	1.65
Com'l ½% iron bags c-l wks .....East100 lb	...	:	1.40
Cont. bgs c-l wks E 100 lb	1.35	:	1.40
Bags c-l wks ....W100 lb	...	:	1.40
Bbls c-l wks ..E 100 lb	...	:	1.55
Bulk, c-l cont wks E 100 lb	...	:	1.50
Amidol (See Diaminophenol)			
Aminoazobenzene, 110 lb kegs .. lb	...	:	1.15
AMMONIA, anhyd. 100 lb cyl .. lb.	.11	:	.12½
Water 26° 800 lb drs del lb.	...	:	.03
Drs., c-l delivered .... lb.	...	:	.02¾
Tanks ..... lb	.02¼	:	.02½
CP cbys ..... lb	...	:	.12
Acetate, 100 lb kegs ..... lb.	...	:	.34
Bifluoride, 300 lb bbls ..... lb	.21	:	.22
100 lb kegs ..... lb	.22	:	.23
Bromide, 450 lb bbls 50 lb bxs lb	...	:	.55
Imported, 112 lb boxes .. lb	.48	:	.50
Carb. tech., 500 lb cases .... lb	.03¾	:	.09
Powd., tech., 550 lb cks lb	.07¼	:	.07¾
USP, lump 100 lb kegs ... lb	.11	:	.11½
Powd. 100 lb kegs .... lb	.13	:	.13½
Chloride, Domestic White 250 lb bbls c-l .... lb	...	:	.06
250 lb bbls lc-l wks .. lb	.06½	:	.06¾
Imp. white 600 lb cks lb	...	:	.05½
C.P. USP, gran bbls ... lb	.13	:	.13½
Gray, 250 lb bbls wks .... lb	.07	:	.07½
Bbls., c-l wks ..... lb	...	:	.07
Imp. gray 550 lb csks . lb	.06	:	.06¼
Lump, 500 lb casks spot .. lb	.11	:	.11¼
Iodide, USP, 25 lb jars .... lb	...	:	5.20
Lactate, 500 lb bbls ..... lb	.15	:	.16
Refined Crystals bbls ..... lb	...	:	.20
C.P. gran., 100 lb kegs .. lb	.35	:	.37
Oxalate, pure 100 lb kegs ... lb	.35	:	.37
Persulfate, 112 kegs ..... lb	.27½	:	.30
Phosphate, dibasic 200 lb bbls lb	...	:	.38
Tech., powdered 325 lb bbls lb	...	:	.18
Mono, 325 lb bbls ..... lb	.12	:	.12½
Sulfate bulk c-l .....100 lb	...	:	2.50
Southern points ....100 lb	...	:	2.50
Imp., 200 dbl bgs fas 100 lb	...	:	2.50
Sulfate-Nitrate bulk fob NY ton	...	:	81.00
Sulfocyanide tech., 100 lb kgs lb	.40	:	.45
Amyl-Acetate, tech., 50gal drs gal	1.60	:	1.70
Refined 50gal drums ....gal	1.90	:	1.93
Alcohol, see Fusel Oil			
Butyrate absolute cans ..... lb	1.20	:	1.30
ANILINE OIL, 960 lb drums ... lb	.15	:	.16
Hydro Bromide ..... lb	...	:	.75
Salt 200 lb bbls ..... lb	...	:	.24
Anthracene, 80-85% 600 lb casks wks ..... lb	.60	:	.65
Anthraquinone, sub 125 lb bbls lb	.90	:	1.00
Antimony metal slabs tons lots lb	.13	:	.13¼
Needle powd 100 lb cs lb	.14	:	.15½
Bromate ..... lb	...	:	1.50
ANTIMONY CHLORIDE, anhyd 1000 lb drs ..... lb	.16	:	.17
50 lb crocks ..... lb	.45	:	.48
Sol'n 130 lb carboys 48° lb	...	:	.17
Oxide, 500 lb bbls ..... lb	.16¼	:	.17
Sulfuric golden, 250 lb bbls lb	.15	:	.16
Crimson 250 lb bbls .... lb	.25	:	.27
Vermilion, 250 lb bbls .... lb	...	:	.37½
Tartrolactate, 500 lb bbls .... lb	...	:	.45
Tribromide ..... lb	...	:	1.05
Arsenic metal 220 lb kegs ..... lb	.45	:	.50
Red, 224 kegs cases .... lb	.10½	:	.11
White, 20 lb cases to 550 lb bbls NY ..... lb	.03¼	:	.03½
BARIUM BINOXIDE, see Barium dioxide			
Bromate ..... lb	...	:	.70
Carbonate, precip., 300 lb bbls wks .....ton	50.00	:	52.00
Precip., 200 lb bgs wks ton	47.50	:	50.00
Imports, casks NY .....ton	47.00	:	48.00
Chlorate, 112 lb kegs NY .... lb	.12	:	.12¼
Chloride, 800 lb bbls wks ....ton	65.00	:	67.00
200 lb bags wks ....ton	63.00	:	65.00
Imports, large crystals bbls Spot .....ton	63.00	:	64.00
Dioxide, 88% 690 lb drs .... lb	.13	:	.13¼
Import, 86-88% 400 lb drs lb	.13	:	.13½
Hydrate, 500 lb bbls ..... lb	.04¾	:	.04⅝

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Chemicals

Carbazol
Dibutyl Tartrate

BARIUM Nitrate, 700 lb casks	lb	.07½	.08
Imports, casks	lb	.07½	.08
Sulfocyanide 600 lb bbls	lb	.27	.28
Barytes, floated 350 lb bbls wks	ton	23.00	24.00
Imported	ton	29.00	33.00
Crude, clf	ton	...	9.00
Benzaldehyde, tech., 945 lb drs wks	lb	.65	.70
BENZENE			
Comm 90% 8,000gal tks wks	gal	...	.24
Non-Corrosive 90% tks wks	gal	...	.25
Commercially pure tks wks	gal	...	.26
Non-Corrosive pure tks wks	gal	...	.25
Nitration tks wks	gal	...	.26
Drum lots 5c gal higher			
Benzidine Base, dry 250 lb bbls	lb	.70	.74
Benzidine Sulfate paste, 350 lb bbls	lb	.65	.66
Benzol, see Benzene			
Benzoyl Chloride 500 lb drs	lb	...	1.00
Benzyl Acetate 100 lb cbys	lb	1.30	1.40
Benzoate, bulk	lb	1.15	1.35
Chloride 95% tech 925 lb drs	lb	...	.25
100 lb cbys	lb	.25	.30
Redis. 160 lb cbys	lb	.30	.35
BETA-NAPHTHOL 350 lb bbls wks	lb	...	.24
c-l	lb	...	.22
Sublimed	lb	.55	.60
Beta-Naphthylamine tech 200 lb bbls	lb	.63	.67
Sublimed, 200 lb bbls	lb	...	1.35
Blanc Fixe, dry 400 lb bbls wks	ton	80.00	90.00
Imported, bbls	ton	70.00	72.00
Paste, 650 lb bbls c-l	ton	45.00	55.00
BLEACHING POWDER, 700 lb drs			
c-l wks contract	100 lb	...	2.00
lc-l wks contract	100 lb	...	2.15
c-l spot wks	100 lb	...	2.10
lc-l spot wks	100 lb	...	2.25
lc-l spot ex-warehouse	100 lb	2.35	2.50
300 lb drs c-l wks contract	100 lb	...	2.25
c-l spot wks	100 lb	...	2.35
lc-l wks contract	100 lb	...	2.40
lc-l spot wks	100 lb	...	2.50
Blues, bronze Chinese, Milori Prussian Soluble	lb	.29½	.32
Blue Vitriol, see Copper Sulfate			
Bone Ash, 100 lb kegs	lb	.06	.07
Black, 200 lb bbls	lb	...	.08¼
Borax, crys., 400 lb bbls	lb	.05¼	.05¾
Powdered, 300 lb bbls	lb	.05	.05½
Kegs 100-150 lb	lb	.05½	.06
Bordeaux Mixture, 16% pd	lb	.11	.12
Paste, bbls	lb	.08	.10
Bromide, see potass. bromide etc			
Bromine, bot, in 50 lb cs wks	lb	.45	.47
Bromobenzene, 600 lb drms	lb	...	.50
Butter of Antimony, see Antimony Chloride			
Butyl Acetate normal tk drs wks	gal	1.42	1.45
Drums c-l wks	gal	1.44	1.47
Drums, lc-l wks	gal.	1.47	1.50
Secondary 50gal drums	gal	1.00	1.05
Aldehyde 50gal drs wks	lb	.70	.75
Propionate, drs	lb	.34	.36
Stearate 50gal drs	lb	...	.60
Tartrate drs	lb	.57	.60
CADMIUM, metal 100 lb bxs	lb	.70	.75
CALCIUM Acetate 150 lb bgs c-l	100 lb	...	3.50
Arsenate, 100 lb bbls c-l wks	lb	.07½	.08
Bromate	lb	...	1.50
Bromide, 100 lb cs	lb	...	.60
Carbide, 220 lb dr c-l wks	lb	.05½	.06¼
Carbonate, tech 100 lb bags c-l	100 lb	1.00	1.10
USP, precip, 175 lb bbls	lb	...	.06½
Chloride, solid 650 lb drs c-l f.o.b. wks	ton	21.00	23.00
Drums delvd. NY	100 lb	1.74	1.89
Imp., Shipment	ton	...	19.50
Flake, 375 lb drs c-l drs f.o.b. wks	ton	...	27.00
Drums delvd. NY	100 lb	2.04	2.19
Bags delvd NY	100 lb	2.04	2.19
Nitrate, 220 lb bbls c-l NY	ton	...	52.00
Phosphate, tech 450 lb bbls	lb	.09	.10
Phosphate mono, 325 lb bbls	lb	.07	.08
Stearate, bbls	lb	.23	.25
Sulfocarbolate, 100 lb kegs	lb	.53	.57
CAMPHOR, Amer., ref. 250 lb bbls	lb	...	.84
2½ lb slabs, 100 lb cs	lb	...	.85½
Jap., ref., 2½ lb slabs 100 lb cs	lb	...	.80
Powdered	lb	...	.77
Crude, 100 lb cs	lb	.54	.56

Ammonium Sulfate—The market is reported higher in some directions, but sellers are taking what business there is on the basis of $2.50 per 100 lbs. in all positions.

Aniline Oil—Movement is of fair routine volume. Makers are quoting unchanged prices, but competition for contracts is quite severe.

Barium Carbonate—Despite rumors that the foreign market had advanced to a point that would bring future imports up to $55.00 ton, spot goods were readily available during the past week at $47.00@$48.00 ton for 5 tons or less.

Barium Chloride—Rumors of a syndicate price advance abroad were circulated during the week. Spot prices are unchanged, however, at $63.00@$65.00 ton. One importer predicted a price of $67.00 ton shortly.

Benzene—Tone of the market continues very weak and quoted prices are not being adhered to in many spot transactions. At least one larger consumer of benzene for motor fuel blending will not renew the contract for benzene, as he now has no use for it. Second hands are offering benzene freely throughout the country at prices sharply below quoted levels.

Beta-Naphthol—Demand is excellent and prices are firm and unchanged.

Bleach—Makers report marked success in closing contracts at unchanged prices.

Bordeaux Mixture — At the recently announced schedule price of 11c lb manufacturers are busy on contract work for the coming season.

Calcium Acetate—Quotations are higher and firm at $3.50 100 lbs. Demand is very heavy and stocks are small.

Carbon Tetrachloride—Demand is steady and prices are being adhered to by all makers.

Casein—The expected demand for this season of the year has not developed to any extent as yet and the market is quiet and easy at unchanged figures.

Chlorine — Makers report very firm conditions in this market and report contract closings progressing at a rate satisfactory to them.

Copperas—Market is firm in all directions at unchanged prices.

Carbazol, 250 lb bbls	lb	...	.15
Carbon Bisulfide 500 lb dr lc-l NY	lb	.05½	.06
c-l drums NY	lb	...	.05¼
Carbon Black, c-l wks bags	lb	.08	.09
100-300 lb cases lc-l NY	lb	...	.12
Decolorizing 40 lb bags c-l	lb	.08	.15
90 lb drums c-l	lb	.08¾	.15¾
Carbon Dioxide, Liquid 20-25 cy	lb	...	.06
Tetrachloride, 1400 lb drs del	lb	.07	.07½
Drums c-l delivered	lb	...	.06¾
Casein, edib., 100 lb kegs	lb	.45	.65
Standard ground	lb	.15	.15¼
Caustic Potash see potash, caustic			
Soda, see soda, caustic			
Cellulose Acetate, 50 lb kegs	lb	...	1.40
Cerium Oxalate USP, 100 lb kegs	lb	.33	.35
Bulk	ton	...	5.00
Precip, English 7 lb bags	lb	...	.08½
Precip., heavy 560 lb casks	lb	.03½	.03¾
Chinese Blue, See Blue			
Chloramine USP, 200 lb bbls	lb	...	1.75
Chlorocosane 5 lb bot	lb	.55	.65
Chlorhydrin, Ethylene See Ethylene			
CHLORINE, Liquid tank or multi-unit car wks contract	lb	...	.04
Tank car spot wks	lb	...	.04¾
Carlots cyl wks contract	lb	...	.05½
spot wks	lb	...	.05¾
lc-l cyl wks contract	lb	.08	.09
Spot wks	lb	.08¼	.09¼
Chlorobenzene, mono, 100 lb drs wks lc-l	lb	...	.07
CHLOROFORM, USP, 50 lb drs	lb	...	.30
Second hands 650 lb drs	lb	...	.2¢
Technical 1,000 lb drums	lb	.20	.22
Chlorophyll Oil Sol.	lb	3.75	4.00
Water Sol	lb	.75	4.00
Chromium Acetate 20° sol'n 400 lb bbls	lb	...	.05½
Fluoride, Powd., 400 lb bbls	lb	.27	.28
Oxide, Green bbls	lb	.34½	.35½
Chrome Green, CP	lb	.27	.29
Comm.	lb	.06½	.11
Chrome Yellow	lb	.17½	.18½
Citric Acid, see Acid Citric			
Clay c-l Bulk, Del.,	ton	16.00	18.00
Powdered 125 lb bags	ton	...	20.00
Coal Tar, See Tars			
Cobalt metal 100 lb kegs	lb	2.50	3.00
Cobalt Oxide 500 lb bbls	lb	2.00	2.10
10 lb tins 200 lb cases	lb	...	2.20
Chalk, drop 175 lb bbls	lb	.03	.03¾
Precip., light 250 lb bbls csks	lb	...	.04½
Precip., heavy 560 lb casks	lb	.02¼	.03½
NY	100 lb	14.35	14.375
COPPER, metal electrolytic	100 lb	13.80	13.87½
Lake c-l NY	100 lb	...	.14
Casting c-l NY	100 lb	...	13.75
Carbonate 400 lb bbls	lb	.16¾	.17¼
Chloride 250 lb bbls	lb	...	.28
Cyanide 100 lb drs	lb	.48	.50
Oxide, red 1000 lb bbls ton lts	lb	.16½	.17
Sub-acetate verd 440 lb bbls	lb	.17	.18
SULFATE, crys., 450 lb bbls lc-l Spot	100 lb	4.90	5.00
Carlots, bbls wks	100lbs	...	4.75
Carlots bbls fob NY	100lbs	...	4.85
Powd. 350 lb 5bbls	100 lb	...	5.25
Copperas bulk, crystal and sugar c-l wks	ton	...	13.00
200 lb bgs c-l wks	ton	...	15.00
400 lb bbls c-l wks	ton	...	18.00
Powdered bbls	100 lb	1.90	2.00
Sugar, 100 lb bbls	100 lb	1.25	1.35
Bulk, wks	ton	8.90	9.00
Cotton Soluble 100 lb bbls wet	lb	.40	.42
Cottonseed, Meal, 7%	ton	28.50	31.00
CREAM TARTAR, USP, 300 lb bbls	lb	.21	.21¼
Imp., powd., USP, 224 bbls	lb	.21	.21¾
Creosote USP 42 lb cbys	lb	.40	.42
Creosote Oil Natural 50gal drs	gal	.20	.21
10-15% Tar acid	gal	.25	.26
25-30% Tar acid	gal	.28	.29
Cresol, USP, 400 lb drums	lb	.20	nom.
Cyclohexanol, see Hexalene			
Cymene, See Para-Cymene			
DIAMINOPHMENOL, 100 lb kegs	lb	...	3.80
Diamyl Phthalate drums, wks	gal	2.95	2.97
Dianisidine, 100 lb kegs	lb	3.25	3.50
Dibutyl Phthalate wks	gal	2.75	2.80
Dibutyl Tartrate, 50gal drums	lb	.55	.65

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TRI SODIUM PHOSPHATE

Dichlorobenzene
G Salt

Chemicals

Glauber's Salt
Magnesium Carbonate

Dichlorobenzene, 1,000 lb drums.. lb	.06	:	.07
Dichloromethane Drums, wks .... lb	.23	:	.25
Diethylamine, 400 lb drs ..... lb	...	:	2.15
Diethylaniline, 850 lb drs ..... lb	.55	:	.60
Diethyl Carbonate, drums .....gal	1.85	:	2.00
Diethyl Phthalate 1,000 drums . lb	.25	:	.28
Diethyl Sulfate tech., 50gal drs lb	.20	:	.25
C.P., drums ..... lb	.40	:	.50
Dimethylamine, 400 lb drs ..... lb	...	:	2.60
Dimethylaniline 340 lb drs wks lb	.32	:	.34
Dimethylsulfate, 100 lb drs .... lb	.45	:	.50
Dinitrobenzene, 400 lb bbls .... lb	.15	:	.15½
Dinitrochlorobensene, 400 lb bbls lb	.15	:	.16
Dinitrochlorine, 300 lb bbls .... lb	.18	:	.19
Dinitronaphthalene, 350 lb bbls . lb	.32	:	.34
Dinitrophenol, 350 lb bbls ..... lb	.31	:	.32
Dinitrotoluene, 300 lb bbls .... lb	.15	:	.17
Diorthotolylguanidine, 275 lb bbls wks ..... lb	1.05	:	1.08
Diphenylamine ..... lb	.48	:	.50
Diphenylguanidine, 5,000 lbs. 100lbs. ..... lb	.85	:	.88
EPSOM SALT, tech., 300 lb bbls NY .....100 lb	...	:	2.00
Bbls c-l NY .....100 lb	...	:	1.75
100 lb c-l NY 100 lb	1.50	:	1.75
Imp., 20 lb bags c-l ..	1.05	:	1.10
USP, 200 lb bbls 10bbls Seaboard .....100 lb	...	:	2.35
Interior .....100 lb	...	:	2.50
Carlots, bbls kegs Seaboard .....100 lb	1.90	:	2.15
Interior .....100 lb	2.00	:	2.[illegible]
Imported, 400 lb bbls .100 lb	1.70	:	2.00
ETHER, USP, 55 lb drums .... lb	...	:	.14
Anaesthesia, 55 lb drums .... lb	...	:	.19
USP, 1880 55 lb drums .... lb	...	:	.48
Washed, 55 lb drums ..... lb	...	:	.37
Motor 1 lb bottles ..... lb	.30	:	.32
Ether, Nitrous, 1 lb bo t..... lb	.90	:	.95
Ethyl Acetate, 99% 50gal drs gal	...	:	1.05
85% Ester, 10gal drs ..gal	...	:	.77
Carlots drums .....gal	...	:	.74
Tank cars .....gal	...	:	.72
Refined drums .....gal	1.72	:	1.85
Aceto Acetate drums wks .... lb	...	:	1.00
Benzyl Aniline 300 lb drs ... lb	...	:	1.00
Bromide, 115 lb drs ..... lb	...	:	.50
Butyrate cans ..... lb	1.10	:	1.20
Chloride, 200 lb drs ..... lb	...	:	.22
Lactate drums wks .....gal	...	:	3.50
Methyl Ketone, 50gal drs ... lb	.30	:	nom.
Oxalate drums wks ..... lb	.45	:	.55
Ethylene-Bromide 600 lb drs ... lb	...	:	.70
Chlorhydrin, anhyd., 50gal drs lb	.75	:	.85
40% Solution, 50gal bbls lb	.25	:	.30
Dichloride, 50gal drs ..... lb	...	:	.15
Tank cars ..... lb	...	:	.10
Glycol 50gal drums wks .... lb	.30	:	.40
Tri Chloride ..... lb	.10	:	.10½
Ethylidenaniline ..... lb	.62	:	.65
Feldspar bulk .....ton	20.00	:	25.00
FERRIC CHLORIDE tech., crys. 475 lb bbls ..... lb	.07½	:	.09
Imported ..... lb	.04¾	:	.05
C.P., crys., 100 lb kegs .. lb	...	:	.10
Imported ..... lb	.06	:	.06½
Neut. Soln. 42° 140 lb cbys lb	.06½	:	.07
46° 140 lb cbys ..... lb	.08	:	.08½
USP, Soln 125 lb cbys .... lb	.06½	:	.07
Bromide solution ..... lb	...	:	.55
Ferrous Bromide sol'n ..... lb	...	:	.55
Chloride cryst tech 475 lb bbls lb	.05	:	.06
Sulfide 1000 lb bbls ....100 lb	2.50	:	3.00
Fiske-White see lead White			
Fluorspar, 95% 220 lb bags ex-dock .....ton	...	:	25.00
96% bags .....ton	...	:	33.50
98% bags .....ton	...	:	35.00
FORMALDEHYDE USP, 400 lb bbls c-l wks ..... lb	...	:	.10¾
Bbls 400 lb lc-l wks ..... lb	.11	:	.11¼
Formaldehyde Aniline 100 lb drs lb	.39	:	.42
Furfural 500 lb drums ..... lb	...	:	.17½
Tanks, wks ..... lb	...	:	.15
Fusel Oil 10% Impurities drs gal.	...	:	1.80
Refined ..... lb	2.00	:	2.03
G SALT paste 360 lb bbls basis 10% ..... lb	.50	:	.52

Epsom Salts—Imported technical material is moving at carlot prices of $1.05@$1.10 as to seller. Domestic U. S. P. is firm at unchanged prices of $1.90 100 lbs. for carlots of barrels at seaboard and $2.00 in the interior of the country.

Ethyl Acetate—Demand is heavy from lacquer manufacturers, although it is difficult to tell how great a part of this demand is illegitimate. Quotations are unchanged at 72c gal. for tanks, 74c for carlots.

Ethylene Glycol—Maker reports a very heavy demand and names firm unchanged prices.

Formaldehyde—In excellent demand at firm unchanged prices.

Glauber's Salts—Market is firm at unchanged prices. Makers' stocks are greatly decreased.

Hydrogen Peroxide—Competition remains quite severe, although open quotations are unchanged.

Litharge — Producers have announced a further reduction in both litharge and red lead owing to the lower costs of pig lead, which has been on the decline for some time. Orders are being filled on the basis of 9¾c lb for litharge and 10¼c lb for red lead.

Mercury—Market continues to advance and quotations are given at $99.00@$99.50 flask.

Meta-Phenylenediamine—In fair demand at unchanged prices.

Methanol—Makers continue to report a very strong market and continue to report a likelihood of a further advance in price of 5c gal.

Methyl Acetone—Demand is of good volume and prices are very firm.

Naphthalene—Contracts are being closed in many cases at recently announced prices.

Nickel Salts—Demand is of good volume and the market is decidedly firmer.

Nitrobenzene—No new developments are reported in this market. Makers report a steady consuming demand and only slight price competition.

Ortho-Toluidine — Demand for this material from flotation operators is steadily increasing. Quotations are firm and unchanged and makers are well in control of the situation.

GLAUBER'S SALT, tech., 200 lb bags c-l wks .....100 lb	1.05	:	1.10
lc-l wks .....100 lb	1.15	:	1.20
350 lb bbls c-l wks .100 lb	...	:	1.10
Bbls lc-l wks .....100 lb	1.25	:	1.35
Imported bags NY ..... lb	.75	:	.80
Calcined, see Sodium Sulfate			
GLYCERIN, CP, 550 lb drms .. lb	...	:	.30
Cans, 50 lb ..... lb	...	:	.31
Dynamite, 100dr ..... lb	...	:	.27
Saponification tanks ..... lb	...	:	.20¼
Soap, Lye tanks ..... lb	...	:	.18
Hexachlorethane Drums wks .... lb	...	:	.45
Hexalene, 50gal drs., wks .... lb	...	:	.45
Hexamethylenetetramine, U. S. P, 100 lb drums ..... lb	.60	:	.62
Imported ..... lb	.58	:	.60
Rubber Makers, Impalp Pd drs ..... lb	.80	:	.82½
Hi-Flash Naphtha 8,000 gal tks wks .....gal	...	:	.35
Drums wks .....gal	...	:	.40
HYDROGEN PEROXIDE, 10 vol 400 lb bbls ..... lb	.04½	:	.05
15vol ..... lb	.06	:	.06¼
17vol ..... lb	.06¼	:	.06½
25vol ..... lb	.06½	:	.06¾
100vol 140 lb cbys ..... lb	.30	:	.31
IODINE, crude 200 lb kegs .... lb	4.20	:	4.25
Iridium, metal, 10oz lots .....oz	...	:	260.00
Iron, metal by hydrogen 1 lb bot lb	.68	:	.70
IRON Chloride see Ferric or Ferrous			
Nitrate, kegs ..... lb	.09	:	.10
Com'l bbls .....100 lb	2.50	:	3.25
Oxide, red Spanish ..... lb	.02½	:	.03¼
English ..... lb	.10	:	.12
Perchloride ,see Ferric Chloride			
Isopropyl Acetate 50gal drums gal	.85	:	.90
Kaolin se Clay			
LANOLIN, see Adeps Lanae			
LEAD, metal c-l NY .....100 lb	...	:	8.00
Acetate, white crystals ..500 lb bbls wks .....100 lb	14.00	:	14.50
100 to 250 lb kegs wks .....100 lb	...	:	15.00
White, broken bbls wks .100 lb	14.50	:	15.00
White, gran bbls wks 100 lb	14.50	:	15.00
White, powd bbls wks .100 lb	14.75	:	15.25
Brown, broken bbls wks 100 lb	13.00	:	13.50
Arsenate, 100 lb kegs ..... lb			
Bbls., c-l wks ..... lb	...	:	.15
Bbls, lc-l wks ..... lb	.15½	:	.16
Paste, 100 & 600 lb bbls .. lb	.08	:	.09
Nitrate, 500 lb bbls wks .... lb	...	:	.14
Oxide, Litharge 500 lb bbls .. lb	...	:	.10¾
100 kegs wks ..... lb	.14¼	:	.15¾
Oxide, red, 500 lb wks .... lb	...	:	.11¼
100 lb kegs wks ..... lb	.12¾	:	.16¼
Oleate, bbls ..... lb	.17½	:	.18
Peroxide, 100 lb drs ..... lb	.25	:	.30
White, basic carb., 500 lb bbls wks ..... lb	...	:	.10¾
100 lb kegs wks ..... lb	.14¼	:	.15¾
White sulfate 500 lb bbls wks lb	...	:	.10
LIME, (Salts, see Calcium Salts)			
Ground Stone, bags .....ton	...	:	4.50
Live, bulk .....ton	...	:	8.50
Live, 325 lb bbls ton lots wks .....100 lb	...	:	1.05
Single bbl wks .....100 lb	...	:	1.08
Hydrated, 167 lb bbl ton lots wks .....100 lb	...	:	.35
Single bbl wks ..... lb	...	:	.01
Oyster Shell 150 lb bbl sing .. lb	...	:	.03½
Sulfur dry 200 lb drs NY .. lb	...	:	.08½
Drs. c-l NY ..... lb	...	:	.07½
33° Sol'n 50 lb bbls NY gal	.15	:	.15½
Litharge see lead oxide			
Lithium Carb., USP 100 lb kegs lb	1.45	:	1.50
Bromide 100 lb cs ..... lb	1.80	:	1.90
Lithopone, 400 lb bbls lc-l wks lb	...	:	.06½
Bbls., c-l wks ..... lb	...	:	.05¾
Bags c-l wks ..... lb	...	:	.05⅝
Imported, 400 lb bbls ..... lb	.05¾	:	.06
Litmus Cubes ..... lb	.90	:	1.00
Second hands ..... lb	...	:	.75
MAGNESITE, calcined, 500bbls ton	48.00	:	50.00
Magnesium mtl., sticks 100 lb cs f.o.b. wks ..... lb	...	:	.85
Bromate ..... lb	...	:	1.50
Carb., tech., 70 lb bags NY lb	.06½	:	.06¾
75 lb bbls NY ..... lb	.08	:	.08½
USP, 100 lb bbls ..... lb	.09½	:	.10
English oz blocks ..... lb	.17	:	.19

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Chemicals

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Potash Salts

MAGNESIUM Chloride, flake 575 lb drs. c-l wks	ton		37.00
Imp., Flake Shipt.	ton.		33.00
Imp., fused 900 lb bblsNY	ton.		31.00
Fluosilicate, crystals 400 lb bbls wks	lb.	.10	.10 ½
30% sol'n. 500 lb bbls wks	lb.	.07	.07½
Sol'n. bbls c-l wks	lb.		.06
Oxide, USP, light 100 lb bbls	lb.		.42
USP, heavy, 350 lb bbls	lb.		.50
Salicylate, 100 lb. kegs	lb.	.75	.80
Stearate bbls	lb.	.23	.25
Sulfate, see Epsom Salts			
Manganese Borate, 30% 300 lb bbls	lb.		.24
100 lb kegs	lb.		.25
Chloride, 600 lb cnks	lb.	.08	.08½
Dioxide, 80-84% 900 lb bbls NY	ton.	80.00	85.00
85-90% 900 lb bbls NY	ton.	85.00	90.00
Hydrated, precip 100 lb kgs	lb.	.15	.23
Ore, bulk, cif NY	lb	.35	.40
Sulfate, 550 lb drums NY	lb.	.07	.07¼
MERCURY, metal 75 lb flask	flask	99.00	99.50
Meta-Nitroaniline	lb.	.72	.74
Meta-Nitro-para-Toluidine, 200 lb. bbls	lb		1.75
Meta-Phenylenediamine, 300 lb. bbls	lb.	.90	.94
Meta-Toluylenediamine, 300 lb. bbls	lb.	.72	.74
Tanks	lb.		.70
METHANOL (Wood Alcohol) 95% tanks	gal.		.70
Drums, c-l	gal.		.73
Drums, lc-l	gal.		.75
97% tanks	gal.		.72
Drums, c-l	gal.		.75
Drums, lc-l	gal.		.77
Pure, Acetone free, tanks	gal.		.80
Drums, c-l	gal.		.83
Drums, lc-l	gal.		.85
Bbls., incl., 6c higher			
U. S. denat. grd. tanks	gal.		.75
Drums c-l	gal.		.78
Methyl Acetate drums	gal.		.95
Methyl Acetone, 100gal. drums	gal.	.83	.85
Tank cars	gal.		.80
Bromide	lb.		1.00
Chloride, 90 lb cyl	gal.	.55	.60
Michler's Ketone, 225 lb bbls	lb.	3.00	3.25
Milk, powd., 150 lb bbls	lb.	.14	.15
Milk Sugar, see Sugar of Milk			
Mining Salts Drums wks	lb.		.33
Monobromobenzene See Bromobenzene			
Monacetine, See Acetine			
Monochlorobenzene, see Chlorobenzene			
Monethylaniline, 900 lb drs.	lb.		1.05
Monomethyl paraminophenol sulfate 100 lb drs.	lb.	3.95	4.20
NAPHTHA, see Solvent Naphtha			
NAPHTHALENE, Flake, 175 lb bbls wks	lb.	.04½	.05
Balls, 250 lb wks	lb.	.05½	.06
Crushed, chipped bgs., wks	lb.		.04¼
Crude, imp., bags	lb.	.02	.02¼
NICKEL Ingot 100 lb kegs			.35
Chloride, bbls kegs	lb.	.21	.24
Oxide, 100 lb kegs NY	lb.	.35	.38
Salt single 400 lb bbls NY	lb.	.08	.08½
Double 400 lb bbls NY	lb.	.08½	.09
Sulfate, See Nickel Salt, single			
Nickel Metal, electrolytic	100 lb.		34.00
Nicotine, Free 40% 8 lb. tins cs	lb.	1.10	1.20
NITRATE SODA, spot, See Sodium Nitrate			
Nitre Cake, bulk wks	ton.	4.50	5.50
400 lb bbls	ton.	13.00	14.00
Nitrobenzene, crude, 1,000 lb. drs wks	lb.	.08½	.09½
Redistilled, 1,000 drs wks	lb.	.09¼	.10¼
Nitronaphthalene, 550 lb bbls	lb.		.25
Nitrotoluene, mixed 1,000 lb drs wks	lb.	.14	.15

Para-Nitroaniline — Market is very firm at recent prices of 52c@ 53c lb. There is no likelihood of a further advance as makers are closing contracts at present figures.

Para-Toluidine—Market remains dull with large stocks in makers' hands and a very small routine demand from outside sources.

Phenol—While open quotations are unchanged, the market is sharply competitive and quoted prices are believed subject to considerable shading.

Phosphorus Sesquisulfide — One maker is naming a lower price of 46c lb for 100 lb. cases of 10 tins.

Phthalic Anhydride—Market is quiet but firm under a good demand.

Potassium Bichromate—Makers areclosing contracts at firm prices recently announced.

Potassium Chlorate—Demand is heavy from both the domestic maker and importers. Importers are firmer in their prices and now unwilling to accept less than 8c@8½c lb as to quantity for powdered.

Soda Ash and Caustic—Makers of standard brands have announced prices effective on contracts for 1927 and on spot sales after the first of the year. Contract prices are: Light ash 58% $1.32½ 100 lbs. in bags; in barrels $1.57½; dense ash in bags $1.37½; in barrels $1.57½; solid caustic soda, 76% in drums $3.00; ground or flake $3.40. These quotations represent average-sized contracts. Large buyers have contracted at prices lower than these, according to their requirements.

Sodium Bichromate—Makers report excellent progress in contract closings at recently announced prices.

Sodium Cyanide—Makers and importers are busy closing contracts at recently announced prices which showed no change.

Sodium Fluoride—Normal routine demand continues to be reported and prices are unchanged in all directions.

Sodium Naphthionate — Makers quote unchanged prices, but sharp competition continues to be reported.

Sodium Nitrate—The demand in all quarters continues routine and far below the average sales of last year. Importers are not bringing forward any sized quantities of stocks under the existing conditions and the supply here is small.

Ochre	lb.		.03½
Oil Fusel See Fusel Oil			
Oil Mirbane, see nitrobenzene			
Orange Mineral, 1100 lb cnksNY	lb.		.14½
700 lb bbls NY	lb.		.14¾
Ortho-Aminophenol, 50 lb. kegs	lb.	2.20	2.25
Ortho-Anisidine, 100 lb drs	lb.	2.50	2.75
Ortho-Dichlorbenzene, see Dichlorbenzene			
Ortho-Nitrochlorobenzene, 1,200 lb. drs. wks	lb.	.32	.35
Ortho-Nitrophenol, 350 lb	lb.	.85	.90
Ortho-Nitrotoluene, 1,000 lb drs. wks	lb.	.13	.14
Ortho-Toluidine 350 lb bbls	lb.	.25	.27
PALLADIUM, metal 10oz. lots	oz.	80.00	81.00
Para-Aminoacetanilid, 100 lb. kegs	lb.	1.00	1.05
Para-Aminophenol, 100 lb kegs	lb		1.15
Hydrochloride, 100 lb kegs	lb.	1.25	1.30
Para-Dichlorbenzene, 150 lb bbls. wks	lb.	.17	.20
25-50 lb kegs	lb.	.20	.21
Paraldehyde 110-55 gal drc USP tech	lb.	.26	.28
Para-Cymene Refd. 119gal. drs.	gal.	2.25	2.50
Paraformaldehyde USP 100 lb cs	lb.	.49	.49½
Para-Nitroacetanilid, 300 lb bbls	lb.	.50	.55
PARA-NITROANILINE, 300 lb bbls. wks single bbls	lb.	.52	.53
Para-Nitrochlorobenzene, 1,200 lb drs. wks	lb.		.32
Para-Nitro-ortho Toluidine, 300 lb. bbls	lb.	2.75	2.85
Para-Nitrophenol, 185 lb bbls	lb.	.50	.55
Para-Nitrosodimethylaniline, 120 lb. bbls	lb.	.92	.94
Para-Nitrotoluene, 350 lb bbls	lb.		.30
Para-oxy Benzaldehyde, 100 lb kegs	lb.		1.70
Para-Phentidin, 500 lb drs.	lb.	1.55	1.80
Para-Phenylenediamine, 350 lb. bbls	lb.		1.20
Para-Toluene-Sulfonamide, 175 lb. bbls	lb.	.40	.41
Para-Toluene-Sulfonchloride, 410 lb. bbls, wks	lb.	.18	.30
Para-Toluidine, 350 lb bbls wks	lb.	.45	.50
PARIS GREEN, Arsenic Basis, 500 lb kegs	lb.	.19	.20
Kegs, 100lbs.	lb.	.21	.22
Kits, 56, 28, 14lbs.	lb.	.22	.23
Packages, 5 and 2lbs.	lb.	.23	.24
Packages 1 lb. ½ lb. ¼ lb.	lb.	.25	.26
Paris White, see Whiting French			
PETROLATUM, green 300 lb bbls	lb.	.02½	.03
Dark Amber, 300 lb bbls	lb.		.04¼
Light Amber, 300 lb bbls	lb.		.04½
Cream White USP 300 lb bbls	lb.	.07	.07½
Lily White, USP, 300 lb bbls	lb.		.07¾
Snow White, USP, 300 lb bbls	lb.		.12½
Phenol, see also acid carbolic Makers 950 lb drums spot	lb.		.17
Small drums 250-100 lb	lb.	.18	.19
Open market drums	lb.		.21
Natural 240 lb dcs drs. wks	lb.		
Phenyl-Alpha-Naphthylamine 100 lb. kegs	lb.	1.23	1.29
Phosgene, 100 lb. cylinders	lb.		
Phosphorus, red 110 lb cs	lb.		.65
Yellow 110 lb cs wks	lb.		.32
Imported, 110 lb cs wks	lb.	.35	.37½
Phosphorus Oxychloride,175 lb cyl	lb.	.35	.40
Phosphorous Sesquisulfide 100 lb cases	lb.		.46
Phosphorus Trichloride, 175 lb cyl. wks	lb.		.45
Phthalic, Anhydride, 100 lb bbls. wks.	lb.	.18	.20
Pitch, Coal-Tar wks	ton.	24.00	26.00
Plaster Paris, techn., 350 lb bbls	bbl.		8.30
Platinum metal soft, 10 oz. lots	oz.	110.00	112.00
POTASH SALTS, rough Pot. Muriate, basis 80% bags	ton		36.00
Pot. Sulfate, basis 90% bgs	ton		46.85
Pot. & Mag., Sulfate basis 48% bags	ton		27.00
Manure Salts basis 30% bulk	ton		18.55
Manure Salts, basis 20% bulk	ton		12.30
Kainit, basis, 12.4% bulk	ton		8.90
Kainit, basis, 14% bulk	ton		9.40

tons 10%
Bulk in bags, 02.00 extra
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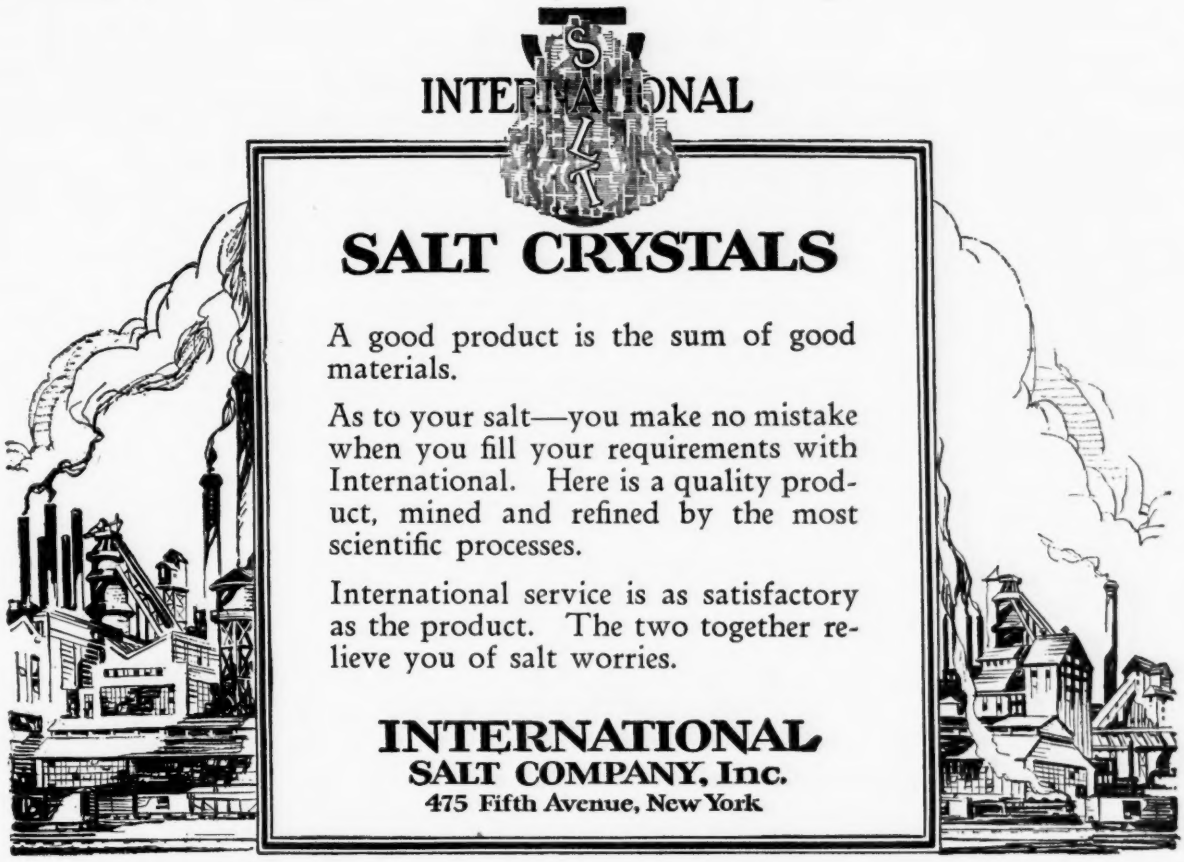
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Chemicals

Soda Caustic
Tri-Sodium Phosphate

POTASSIUM Acetate, USP, 100 lb. kegs	lb.	.29	.30
Second Hands, kegs	lb.	.26	.28
Bicarbonate crys 320 lb bbls	lb.	.09	.09½
Bichromate crys., 725 lb csks	lb.	.08	.08¼
Powd. 725csks., wks	lb.	.11	.12
Binoxalate, 300 lb bbls	lb.	.16	.17
Import, 112 lb bbls	lb.	.18	.19
Bisulfate, 100 lb kegs	lb.	...	.30
Bromate, 100 lb. cs	lb.	...	.35
BROMIDE, USP, cryst., 450 lb bbls	lb.	.48	.49
Granular, 300 lb bbls	lb.	.48	.49
Cases, 100 lb	lb.	...	.50
Imported, USP, 220 lb cs	lb.	.38	.41
CARBONATE, 80-85% calc. 800 lb cks	lb.	.05⅝	.05¾
80-85% hydrated, 800 lb Casks	lb.	.05⅝	.05½
90-95% calc. casks	lb.	.06¼	.06½
96-98% calc., casks	lb.	.06¾	.07
99% calc. casks	lb.	...	.07½
USP, 100 lb kegs	lb.	.11	.11½
99% CP, casks	lb.	...	.12½
Chlorate, cryst. 112 lb. bgs e-l wks	lb.	.08½	.09
Imp. 112 lb NY lb.		.08¼	.08½
Powd., 112 lb kegs wks	lb.	.08½	.09
Imp., kegs NY	lb.	.08¼	.08½
Gran. Imp., 112 lb kegs NY lb.		.10½	.11
Pyrotechnic, fine powd. NY lb.		...	.07
Chloride, crys. bbls	lb.	.05½	.05½
Chromate, kegs	lb.	.27	.28
Citrate, USP, 50 lb	lb.	...	.60
Cyanide, 110 lb cases	lb.	.55	.57½
Metabisulfite, 300 lb bbls	lb.	.11½	.12
Imp., 550 lb bbls	lb.	.11½	.12
Nitrate, see Saltpetre			
Oxalate, neutral, 225 lb bbls	lb.	.16	.17
Perchlorate 112 lb kegs	lb.	.11	.12
PERMANGAN, USP, crys., 500 lb. & 100 lb drs. wks	lb.	.13¾	.14
Imp., 113 lb. drs	lb.	.13½	.14
Prussiate red, 220 lb. bags	lb.	.39	.40
Prussiate, yellow 500 lb casks	lb.	.18	.18½
Sulfocyanide, CP, 25 lb jars	lb.	...	.50
Tartrate, neutral 100 lb kegs	lb.	...	.51
Titanium Oxalate, 200 lb bbls	lb.	...	.25
Pyridine, 50 gal drs	gal.	...	3.80
QUICKSILVER, see Mercury			
Quinone, 100 lb kegs	lb.	1.75	2.25
R SALT, 250 bbls, wks	lb.	.45	.46
Red Lead, See Lead Oxide			
Rochelle Salt, USP, 225 lb bbls	lb.	.20	.20½
Imp., USP, 300 lb bbls	lb.	.19	.19½
Sal Ammoniac, see Ammon. Chloride			
Sal Soda, see Sodium Carbonate			
Salt, Common, see Sodium Chloride			
Salt Cake 94-96% e-l wks	ton	19.00	20.00
White, 87% wks	ton	15.00	17.00
SALTPETRE, Double refined Granular, 450-500 lb bbls. e-l wks.,	lb.	...	.06
Less e-l wks	lb.	.06¼	.06¼
Powdered, bbls., e-l wks	lb.	...	.07¼
Large Crystals, bbls e-l wks	lb.	...	.08
Triple Refined Gran., bbls., less e-l wks	lb.	.06¾	.06¾
Satin White, 500 lb bbls	lb.	...	.01½
SILICA Crude, bulk, mines	ton.	6.00	7.00
Refined, floated, bags	ton.	15.00	30.00
Air floated, bags	ton.	32.00	50.00
Extra, floated, bags	ton.	55.00	65.00
SILVER, metal American oz	oz.	...	.55½
Soap, Castile, 40 lb bxs	lb.	.20	.25
Powd. USP, 250 lb bbls	lb.	.28	.30
Green, USP, 450 lb bbls	lb.	.07½	.08½
SODA ASH, 58% light 1-4 bags delivered NY 100 lb.		...	2.19
5 & Up bgs., del'd. NY 100 lb.		...	2.04
1-4 bbls. delvd. NY 100 lb.		...	2.44
5 & Up bbls delv'd. NY 100 lb.		...	2.29
Contract, Basis 58% light e-l bags wks 100 lb.		...	1.38
58% dense e-l bgs wks 100 lb.		...	1.50
Prompt and spot, basis 58% light bgs e-l wks 100 lb.		...	1.43
58% dense e-l bgs wks 100 lb.		...	1.45
Prompt and spot basis 58% e-l wks 100 lb.		...	1.50

Sodium Phosphate—Makers and importers report an excellent movement of both di and tri salts at firm unchanged prices. Importers competition in the di salt is not nearly so keen as it has been in the past.

Sodium Prussiate—While contract and spot quotations have been refused by some makers, at least one maker names a price of 11c@ 11¼c lb as to quantity at works on contract over 1927. It is also definitely known that this same price has been quoted to consumers by one of the other two makers, and the third maker states that his price will be the same as the other makers. This price is 1c lb above last year's figures. Spot goods are quoted firmly at 11¼c lb at works. Imported material is practically unobtainable since it is impossible to bring anything in under domestic prices.

Sodium Sulfate—Anhydrous material is moving in very large volume at firm prices.

Sodium Sulfide Situation remains unchanged with makers reporting a heavy demand, but considerable competition from imported material. Firmer conditions are reported to exist abroad.

Solvent Naphtha—Supplies are plentiful and demand is slight. Quotations from leading distributors are unchanged but are not inducing buying to any extent.

Sulfur—Market is steady at unchanged prices.

Toluene—Demand has lessened somewhat, but as yet there are no free supplies. The active condition of the lacquer industry assures this product of a steady demand.

Toners—Are moving in better volume at the moment than other dry colors. Makers are taking orders at 85c@90c lb for lithol; 75c @80c lb for para and $1.75@$1.80 lb for toluidine.

Vermilion—Although the consuming interest is not very heavy, sellers are maintaining prices at the level of $1.50 lb for domestic and $1.55 lb for English.

Xylene—Commercial is moving well, but 5° and 10° are in free supply and present quotations are not interesting to consumers.

Zinc Chloride—Although imported quotations are very low, domestic makers report an excellent demand for their product at fairly good prices.

SODA CAUSTIC, 76% solid 1-4 drums delv'd, NY 100 lb		...	3.91
5 & Up drs del. NY 100 lb.		...	3.76
Ground & Flake 76% 1-4 drms, del., NY 100 lb.		...	4.31
5 & Up drs del. NY 100 lb.		...	4.16
1-4 bbls del. 100 lb.		...	4.56
5 & Up bbls del. 100 lb.		...	4.41
Contract basis 76% e-l wks 100 lb.		...	3.10
Pmpt., and spot Basis 76% e-l wks 100 lb.		...	3.20
Contract 74% low grade e-l wks flat 100 lb.		...	3.02
Ground & Flake, 76% pmpt. and spot, wks e-l drs 100 lb.		...	3.60
USP, stick, 10 lb cans	lb.	.19	.21
Pure, stick, by alcohol	lb.	.25	.27
Soda Sal, see Sodium Carbonate			
Sodium Metal, 12½ lb. bricks	lb.	...	.27
SODIUM ACETATE, crys., 450 lb bbls wks	lb.	.04½	.05
Aluminate, 500 lb bbls wks	lb.	.07½	.08
Aluminum Sulfate, see Alum Soda			
Arsenate, 4 lb mtl. wks drms	gal.	.50	.60
Drums, 8 lb material, wks	gal.	1.00	1.20
Benzoate, USP, 100 lb bbls	lb.	.50	.55
Bicarbonate, 400 lb bbls NY 100 lb.		...	2.41
Bbls e-l wks 100 lb.		...	2.00
112 lb kegs e-l wks	lb.	...	2.25
112 lb kegs NY 100 lb.		...	2.66
Bichromate, 500 lb casks wks	lb	.06¼	.06¾
Bisulfite, dry powder 500 lb bbls wks	lb.	...	.08½
Imported	lb.	...	.08
BROMIDE, USP 450 lb bbls	lb.	.48	.49
Cases, 50 lb	lb.	.48	.49
Imp., USP, 220 lb cases	lb.	.44½	.45
Bromate, 100 lb cs	lb.	...	1.15
Carbonate Sal Soda 350 lb bbls le-l NY 100 lb.		1.30	1.35
Works e-l 100 lb.		1.10	1.30
Monohydrate, 400 lb. bbl. le-l NY 100 lb.		...	2.40
Pure photographic 100 lb. Imported, 112 lb. kegs	lb.	.06¼	.06½
Chloride, tech	ton.	13.00	18.00
CP, 300 lb. bbls	lb.	.05	.06
Chlorate, 112 lb kegs wks	lb.	.06¼	.06½
kegs	lb.	.06	.08
Chromate 800 lb bbl	lb.	...	.08
Cyanide 96-98% 100 & 250 lb. drums wks	lb.	...	.20
e-l wks	lb.	...	.19
Imp., 95-97% 100 lb drs	lb.	...	.19
e-l wks	lb.	...	.18
Fluoride, 300 lb bbls, wks	lb.	.08¾	.09
Imp., 700 lb cks	lb.	.09	.10
Hydroxide, see Soda Caustic			
Hypochlorite Soln 100 lb cbys	lb	...	.05
14½ soln., 50 lb cbys	lb.	...	.04
Hydrosulfite, 200 lb. bbls fob wks	lb.	.22	.24
Fur Stripping 50 cans	lb.	.20	.25
HYPOSULFITE, tech., pea crys. 375 lb bbls., wks 100 lb.		2.65	3.05
Bbls, e-l wks 100 lb.		...	2.50
100 lb. kegs wks 100 lb.		2.80	2.90
Imp. 100 lb.		2.75	3.00
Regular crys., bbls. wks 100 lb.		2.40	2.65
Bbls., e-l wks 100 lb.		2.40	2.50
Kegs, wks 100 lb.		2.35	2.45
Imp. 100 lb.		2.35	2.45
Metanilate, 150 lb bbls	lb.	.70	.75
Molybdate 100 lb kegs	lb.	...	1.10
Naphthionate, 300 lb. bbls	lb.	.55	.57
Nitrate crude, 95% 200 lb bgs e-l NY 100 lb		...	2.54
Nov.-Shipment 100 lbs		...	2.54
Double Refined 400 lb bbls. Gran. e-l wks	lb.	...	.03½
Nitrite, 500 lb bbls spot mkrs	lb.	.08¾	.09
Imp., 650 lb casks	lb.	.08¾	.09
Ortho-Chloro-Toluene Sulfonate 175 lb bbls. wks	lb.	.25	.27
Oxalate, neutral, 100 lb. kegs	lb.	.20	.23
Perborate, 275 lb bbls	lb.	.21	.22
Imp., 225 lb drs	lb.	.21	.22
Peroxide, 200 lb cases	lb.	.23½	.24
Phosphate, di-sodium tech 550 lb. Bbls 100 lb.		3.35	3.55
Imp. 100 lb		...	3.25
USP, Gran., 275 bbls	lb.	.07	.07¼
Imp. Gran.	lb.	.04½	.05¾
USP, Cryst. 275 bbls	lb.	.07½	.08
Mono-sodium 100 lb kegs	lb.	.30	.31
Tri-sodium tech e-l bbls 100 lb.		...	3.90

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Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%

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Sodium Picramate
Toluene

Chemicals

Toluidine
Corn Oil, Crude

SODIUM (Continued)			
Picramate, 100 lb. kegs	lb.	...	.69
Para-Toluene Sulfonate 175 lb bbls	lb.	.08	.09
PRUSSIATE, yellow, 350 lb bbls. wks	lb.	...	.11¼
Imp., 50 lb kgs	lb.	...	nom.
Pyrophosphate, 100 lb kegs	lb.	.13½	.14
Salicylate, 100 lb. kegs	lb.	.37	.38
Silicate, 40° turbid, tanks wks	100 lb.	...	.75
55gal. drums wks	100 lb.	.85	1.10
40° clear, tanks wks	100 lb.	...	1.10
55gal. drs. wks	100 lb.	1.20	1.45
42° turbid tks., wks	100 lb.	...	.80
55gal. drs wks	100 lb.	.90	1.15
42° clear, tanks, wks	100 lb.	...	1.25
55gal. drs., wks	100 lb.	1.35	1.75
Silicofluoride, 450 lb bbls NY	lb.	.04½	.05
Stannate, 100 lb drums	lb.	.41½	.42
Sulfanilate 400 lb bbls	lb.	...	.16
Sulphate, see Glauber's Salt			
Sulfate, Anhydrous 550 lb bbls. e-l wks	lb.	.02¼	.02¾
Imp., 250 lb bbls	lb.	.01⅞	.02
Sulfide, 60% solid, 650 lb drs, le-l wks	lb.	.03¾	.04
Drs., e-l wks	lb.	...	.03½
Imp., 700 lb drs NY	lb.	.03	.03½
60% brkn, 650 lb drs wks	lb.	.04	.04¼
Drs. e-l wks	lb.	...	.03¾
30% crys., 440 lb bbls wks	lb.	.02½	.02¾
Imp. 400 lb bbls	lb.	.02¼	.02½
Sulfite, cryst., 400 lb bbls wks	lb.	.03¼	.03½
Anhydrous, USP, 100 lb kgs	lb.	.08½	.09
Sulfocarbolate, USP, 100 lb kgs	lb.	.33	.34
Sulfocyanide, 400 lb bbls	lb.	.40	.45
Tungstate, cryst., 100 lb kegs	lb.	.80	.82½
SOLVENT NAPHTHA, 110gal. drs. wks	gal.	...	.40
8,000gal. tank crs wks	gal.	...	.35
STRONTIUM, Bromide, USP, 50 lb. kegs	lb.	.51	.52
Carbonate 600 lb bbls wks	lb.	.07¼	.07½
100 lb kgs. wks	lb.	...	.08
Nitrate, 600 lb bbls NY	lb.	.08	.08½
Imported, bbls NY	lb.	.08	.08½
SULFUR			
Crude, fob., mines	ton	18.00	19.00
Brimstone Broken Rock 250 lb bgs e-l	100 lb.	...	2.05
Less e-l bbls NY	100lbs.	2.35	2.55
Roll, 150 lb bgs e-l NY	100 lb	...	2.25
Less e-l bbls. NY	100lbs.	2.65	2.85
Flour, Heavy bgs e-l	100 lb.	...	2.50
Light, 100% bags e-l	100 lb.	...	2.60
Rubbermakers 100% 240 lb. bbls., e-l bags NY	100 lb.	...	2.60
Comm'l 99% e-l 150 lb bgs. NY	100 lb.	...	1.45
For Dusting, e-l 99½% 100 lb. bags, NY	100 lb	...	2.40
Flowers, 100% 155 lb bbls. NY e-l	100 lb.	...	3.45
Precipitated 125 lb bbls NY	lb	...	.17
Lac., 125 lb bbls NY	lb.	...	.13
Sulfur Chloride, red, 700 lb drs. wks	lb.	.08	.08½
150 lb chys wks	lb.	...	.08½
Yellow, 700 lb drs wks	lb.	.03½	.04½
Sulfur Dioxide, 100 lb cyl	lb.	.17	.19
Sufuryl Chloride, 600 lb drs.	lb.	.65	.70
Tar Coke Oven, Tks., wks	gal.	.07	.08
Water Gas, Tks., wks	gal.	...	.08
Terra Alba No 1 300 lb bbls 100lbs		1.85	1.90
Tetralene, 50gal. drs wks	lb.	...	.30
Thiocarbanilid, 170 lb bbls	lb.	.32	.34
TIN, metal Straits NY	lb.	...	.71½
99% American NY	lb	...	.71
Bichloride, 50% sol'n. bbls wks	100 lb. lb	...	.20¼
Crystals, 500 lb bbls wks	lb	...	.48
100 lb kegs wks	lb	...	.48½
Oxide, 300 lb bbls. wks	lb.	...	.68
100 lb kegs wks	lb.	...	.70
Recovered bbls	lb.	...	.65
Tetrachloride, 100 lb drs wks	lb	...	.41
Titanium Oxide bbls., wks	lb.	.13	.14
Toluidine, 350 lb bbls	lb.	.90	.94
Sulfate, 350 lb bbls	lb.	.30	.35
Toluene, 8,000gal. tnk cars wks	gal.	...	.35
110gal. drs wks	gal.	...	.40
Nitration, Tank cars wks	gal.	...	.37
Drums wks	gal.	...	.42
Non-corrosive tank crs wks	gal.	...	.36
Drums, wks	gal.	...	.41

OILS AND FATS

Chinawood Oil—Over the past two weeks spot oil has shown a loss of 1¼c lb. At the moment the market is fairly well maintained at 15¼c@15½c lb in bbls. on a routine consuming movement. Little is doing in spot tanks. There is some interest in futures from the Coast at 12c lb for Nov.-Dec. and 11¾c lb for Jan.-Feb. shipment.

Coconut Oil—At the close of last week the market seemed a bit firmer and dealers reported an increasing interest. Inquiry was not sufficient to check a downward movement in Cochin oil, both barrels and tanks, and they are quoted at 10¼c@10½c lb and 9¼c@9½c lb respectively. Ceylon and Manila are unchanged.

Corn Oil—Contingent on the continued easy tone of the crude cotton oil market, crude oil at the mills showed declines of from ½c to 1c lb last week and was offered at 7⅝c@8c lb in tanks and 10c@10¼c lb in bbls.

Cottonseed Oil—At the close of last week the market showed a firmer aspect than it has for weeks past. The Government consumption report for October showed 366,000 bbls., which was well over the estimated total. While the price again showed declines in both crude and P. S. Y. oil for the week, the undertone was firmer.

Greases—Prices are unchanged following the slight reductions of last week. Consuming inquiry is routine and offerings are heard at 10¼c lb for choice white; 6½c lb for yellow and house and brown, 6c lb.

Lard Oil—Quiet and unchanged in all quarters for all grades.

Linseed Oil—Crushers have again advanced the spot market to 11c lb, although this move has not been occasioned by any increase in demand. Consumers continue reluctant to buy in any sizeable quantities. The primary markets at Duluth and the Argentine are steady and unchanged.

Olive Oil—After a prolonged period of firmness and advances, the spot market on both denatured oil and foots reacted downward last week. With new crop offerings expected on this market shortly, de-

Toluidine, Mixed, 900 lb drs wks	lb.	.31	.32
Toner Lithol Red bbls	lb.	.85	.90
Para Red bbls	lb.	.75	.80
Toluidine,	lb.	1.75	1.80
Triacetin, 50gal. drs wks	gal.	2.80	2.90
Tribromphenol, 100 lb cases	lb.	...	1.10
Triphenylguanidine	lb.	.70	.75
Triphenyl Phosphate, 450 lb bbls	lb.	...	.75
Tungsten, NY	WOunit	10.50	11.00
Ultramarine Blue	lb.	.15	.35
Urea, Pure, 112 lb cases	lb.	.18	.20
Venetian Red	lb.	...	.60
Vermillion Amer., 100 lb bags	lb.	...	1.55
English kegs	lb.	1.50	1.55
WHITE LEAD, see lead, white			
XYLENE, 3° dist. range nitration 110gal. drs., NY	gal.	...	.60
5° dist. range, 8,000gal. tanks wks	gal.	...	.45
110gal. drs wks	gal.	...	.50
10° dist., range drms wks	gal.	...	.43
Tanks, wks	gal.	...	.38
Com'l. 110 gal drs wks	gal.	...	.41
Tanks wks	gal.	...	.36
Xylidine crude	lb.	...	.35
Refined	lb.	.38	.40
ZINC. METAL, high grade slabs c-l NY	100 lb	7.60	7.62½
Ammonium Chloride, powd. 400 lb. bbls	lb.	...	.06¼
Carb., tech, bbls NY	lb.	.09½	.10
USP, 100 lb kegs	lb.	...	.20
Chloride, fused 600 lb drs wks	lb.	...	.06
Drs. e-l wks	lb.	...	.06¼
Granulated, 500 lb bbls wks	lb.	.06¼	.06½
Imported dr NY	lb.	.06¼	.06¾
Solution 50% tnks wks 100 lb.		...	3.00
Cyanide, 100 lb. drs	lb.	.40	.41
Dust, 100 lb., tins wks	lb.	...	.10
500 lb bbls kegs e-l wks	lb.	...	.09
500 lb bbls kegs le-l wks	lb.	...	.09½
Oxide, Amer., Bags wks	lb.	.07¼	.07⅝
Amer 300 lb. bbls wks	lb.	.07⅝	.07⅞
French, 300 lb bbls wks	lb.	.10¼	.12½
Bbl. e-l wks	lb.	.10¼	.12½
Bags e-l wks	lb.	.10⅛	.12½
USP, 100 lb bbls e-l	lb.	...	.14
10-25 bbl lots	lb.	...	.15
5bbl lots	lb.	...	.16
1bbl lots	lb.	...	.17
Imported, white seal, bbls	lb.	.12	.13½
Green seal, bbls	lb.	.11½	.12
Red seal, bbls	lb.	.10½	.11
Stearate, USP, 50 lb bbls	lb.	.21½	.24
Sulfate, 400 lb bbls wks	lb.	.03	.03¼
Bbls e-l wks	lb.	...	.03½
USP, 100 lb bbls	lb.	.08	.09
Sulfide, 500 lb bbls	lb.	.30	.32
Sulfocarbolate, 100 lb kegs	lb.	.29	.30
Zirconium, oxide, pure	lb.	.45	.50
Semi-refined bags	lb.	.08	.10
Natural, bags	lb.	.02½	.03

Oils & Fats

Castor, No. 1, 400 lb bbls	lb.	.12¾	.13
80 lb cases	lb.	.13½	.14
No. 3	lb.	.12	.12½
Blown, 400 lb bbls	lb.	...	.18
China Wood bbls spot NY	lb	.15	.15½
Tanks, Spot NY	lb	...	.13¼
Coast tanks	lb	.11¾	.12
Coconut Ceylon 375 lb bbls NY	lb.	.09⅝	.09½
8,000 gal tanks NY	lb	.08¾	...
Cochin, 375 lb bbls NY	lb	.10¼	.10½
Tanks, NY	lb.	...	.09¼
Manila bbls NY	lb	.09¼	.09½
Tanks, NY	lb.	.08½	.08¾
Tanks Pacific Coast	lb	.08	.08¼
Edible bbls NY	lb.	.12	.12½
Cod Newfoundland, 50gal. bbls	gal.	.66	.68
Tanks, N Y	gal.	.59	.61
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	lb.	.06	.06¼
Corn, ref., 375 lb bbls NY	lb.	.14	.14¾
Tanks	lb.	.12	.12¼
Crude tanks mills	lb	.07⅝	.07¾
Bbls NY	lb	.10	.10¼

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Oils & Fats

Cottonseed Oil, Crude
Whale Oil, Crude
Yolk Oil
Glue

Cottonseed Crude, mill	lb	.06½	.06⅝
PSY, 100 bbls spot	lb	.08	.08⅛
Jan-Feb	lb	.08⅛	.08¼
White, 100 bbls lots NY	lb.	...	.13⅛
Winter yellow 100bbls NY	lb.	...	.14
Degras, Amer., 50gal. bbls NY	lb.	.04¼	.04½
English, light bbls NY	lb.	.05¼	.05½
Brown, bbls NY	lb.	.04⅝	.04⅝
Light brown, bbls NY	lb.	.04⅛	.04⅝
Dark, bbls NY	lb.	.03½	.04
Neutral, bbls NY	lb.	.97½	.12
Moellon, bbls, NY	gal.	...	.50
Greases choice white bbls NY	lb	...	.10¼
Yellow	lb	...	.06½
House	lb	...	.06½
Brown	lb	...	.06¼
Herring, Tanks, Coast	gal.	nom.	nom.
Horse, 375 lb bbls NY	lb.	.10	nom.
Lard, prime steam bbls	lb.	.13¾	.14
Compounds, bbls	lb.	.13¾	.14
LARD OIL edible prime	lb	...	.15½
Off prime bbls	lb	...	.13¼
Extra bbls	lb.	...	.12¼
Extra, No. 1, bbls	lb	...	.11
No. 1 bbls	lb	...	.10⅝
No. 2, bbls	lb	...	.10½
LINSEED, raw c-l bbls spot	lb	...	11.0
Five bbls raw	lb	...	11.4
Tanks, raw	lb	...	10.4
Bld., 5bbl lot wks	lb	...	11.6
Dbl boiled 5bbl	lb	...	11.7
Oct Dec c-l wks	lb	...	11.9
Imported bbls NY	gal.	...	...
Tanks, NY	gal.	...	..
Menhaden, crude tanks, Balt	gal.	...	.47½
Light pressed, bbls NY	gal.	.65	.67
Yellow, bleached bbls NY	gal.	.68	.70
Extra bleached bbls NY	gal.	.70	.72
Blown bbls NY	lb.	...	.10
Mineral Oil, white, 50gal, bbls	gal.	.80	.90
Russian gal	gal.	.95	1.00
Neatsfoot 20° ct., bbls NY	lb	...	.16¾
Pure bbls NY	lb	...	.13¾
CP bbls NY	lb	...	.16
Extra bbls NY	lb	...	.11
No. 1, bbls NY	lb	...	.10⅜
Oleo Oil, No. 1 bbls NY	lb	.11¼	.11
No. 2, bbls NY	lb	...	.10¾
No. 3, bbls NY	lb	...	.10
OLIVE, denatured bbls NY	gal	1.40	1.45
Edible, bbls NY	gal.	...	2.00
Foots bbls NY	lb	.08¾	.09
Shipments	lb	.08⅛	.08¾
Palm Lagos, 1,500 lb casks	lb.	.08½	.08⅝
Niger casks	lb.	.08	.08¼
Bonny Old Calabar casks	lb.	...	nom.
Palm Kernel bbl NY	lb	.10	.10½
Casks	lb	.09¾	.10
Peanut refined bbls NY	lb	.14¾	.15
Crude, mills buyers' tks	lb.	...	.13
Crude, bbls, NY	lb.	...	.14½
Perilla bbls NY	lb.	.13½	.13
Tanks, NY	lb.	.11¼	.11½
Poppyseed bbls NY	gal.	1.70	1.75
Rapeseed bbls NY Japanese	gal	.80	.82
English	gal	.88	.92
Blown bbls NY	gal	1.05	1.07
Red Oil, distilled bbls	lb.	.10	.10½
Tanks	lb.	...	.08¾
Saponified, bbls	lb.	.10½	.11
Tanks	lb.	...	.09
Salmon, 8,000 gal. tks Coast	gal.	.50	nom.
Sardine, Tanks, Pacific Coast	gal	...	.47
Sesame edible yellow bbls	lb	.11½	.12
White	lb	.14	.15
Sod Oil bbls, NY	gal.	...	.40
SOYA BEAN, crude tks Pac Cst	lb	.09½	.09¾
Crude, tks NY	lb	...	.10¼
Crude, bbls., NY	lb.	.12¼	.12½
Refined bbls NY	lb.	...	.13
Sperm, 38° ct., blchd, bbls NY	gal.	.85	.86
45° cold test blchd bbls NY	gal.	.83	.84
STEARIC ACID,			
Double pressed, bags dist.	lb.	.13¼	.13⅝
Double pressed, bgs saponified	lb.	.13¼	.13¼
Carlots	lb.	...	.13
Triple pressed bgs dist.	lb.	.15¼	.15½
Carlots	lb.	...	.15
Stearine Oleo bbls	lb	...	.10⅝
Tallow edible tierces	lb	...	.10¾
City Extra loose	lb	...	.07¼
Tallow Oil, acidless tks., NY	lb.	.10½	.10⅝
Bbls., c-l NY	lb.	...	.11¼
Whale, nat winter bbls NY	gal.	.76	.78
Blchd. winter bbls, NY	gal.	.78	.80
Extra blchd, bbls, NY	gal.	.80	.82
Crude No. 1, tanks coast	gal.		
Crude No. 2, tanks coast	gal.		
Crude No. 3, tanks coast	gal.		

natured oil declined to $1.40@$1.50 gal.on spot with a fair consuming interest. Shipment prices on foots declined even more sharply with offerings from Spain heard at 8⅛c gal. Some pressure to sell is noted at the above quoted levels.

Rapeseed Oil—Spot Japanese oil was down again last week to 80c@ 82c gal. on spot. English oil is unchanged, but blown is also lower on a routine movement at $1.05@ $1.07 gal. Dispatches from Japan indicate that higher replacements may be looked for at an early date, but as yet this has not checked the easy trend here.

Red Oil—The market on both distilled and saponified is outwardly unchanged, but it is quite probable that on firm business producers would make concessions as there seems to be some pressure to sell on this market.

Soya Bean Oil—Offerings were heard last week from the Coast at 9½c@9¾c lb with scant interest on this market at these levels. Crude oil in tanks here is also lower at 10¾c lb with crude and refined in barrels on spot quiet and unchanged.

Tallow—Locally the market is in a continued easy state with city extra offered at 7⅛c lb and little interest shown at this level.

INDUSTRIAL RAW MATERIALS

Albumens—Dealers here report slightly firmer prices from China on edible egg albumen and the spot market seems firmer, though unchanged. Blood albumen is now obtainable at reduced prices. Leading sellers are offering at 45c@55c lb on this market.

Blood—The Chicago market was marked by rather a spectacular advance to $4.35 unit last week on a good inquiry, the bulk of which is believed to be from the feeding trade. Lower offerings were heard for shipment parcels of South American last week at $3.80 unit.

Bone Meal—Importers are offering at a slightly lower basis this week and the price is generally quoted at $29.00@$30.00 ton on a fair interest. Domestic meal is unchanged.

Dextrins—All grades of dextrins are in some demand with a firm tone noted, particularly in both white and yellow potato dextrin.

Yolk Oil, bbls	lb.		
Turkey Red, Oil, single bbls	lb.	.11	.1
Double	lb.	.14	.1
Walnut, crude bbls NY	lb.		

Industrial Raw Materials

Albumen, Egg edible	lb	.89	.91
Tech., 100 lb drs	lb	.86	.88
Blood, 225 lb bbls	lb	.45	.55
Vegetable edible	lb.	.60	.6
Technical	lb.	.50	.5
Ammonium Sulfate, See Chemicals			
Annatto, fine	lb.	.41	.4
Archil, double 600 lb bbls	lb.	.13	.14
Triple, 600 lb bbls	lb.	.16	.1
Cone, 600 lb bbls	lb.	.18	.20
Asbestine, c-l	ton.	16.60	18.0
le-l	ton.	20.00	22.0
Bees Wax, white cases	lb.	.58	.60
Yellow, refined cases	lb.	.46	.48
Crude, bags	lb.	.40	.41
Commercial, cs.,	lb.	.27	
Blood dried fob NY	unit	...	3.85
Chicago	unit	...	4.35
S Am Shipment	unit	...	3.80
Bone Raw, Chicago	ton	...	31.00
Bone Meal 3 & 50 imp.	ton	29.00	30.00
Bone Ash, 100 lb kegs	lb.	.06	0
Black, 200 lb bbls	lb.	...	0
Candelilla Wax, bags	lb.	.33	.35
Carnauba Wax, Flor., bags	lb.	.50	no
Powd.	lb.	.50	no
No. 1, Yellow bags	lb	.74	nom.
No. 2, regular bags	lb	.64	.66
No. 2, N. Country bags	lb.	..	no
No. 3, N Country bags	lb.	.38	.40
No. 3, chalky bags	lb.	.38	.40
CHARCOAL			
Hardwood, lump, bulk wks	bu.	.18	.1
Spot NY	bu.	.24	.2
Wood, powd., 100 lb bbls	lb.	.04	.0
Willow, powd 100 lb wks bbls	lb.	.06	.06
Chestnut, clarified, 25% tks, wks	lb.	.01½	.01
Bbls., wks	lb.	.02½	.02
Powd., 60% 100 lb bags wks	lb.	.05½	.05
Decolorized bags wks	lb.	.06¼	.07
Cudbear, English	lb.	.17	.1
Cutch Rangoon 100 lb bales	lb.	...	.1
Tablets, 120 lb boxes	lb.	.13	.14
Borneo solid, 100 lb bales	lb.	.05¼	.05
Cyanamide, bulk, c-l wks Amm unit		1.82½	1.90
Imp. Amm. unit		1.80	1.85
Dextrin, white corn 140 lb bags,			
c-l 100 lb.		...	3.87
bags c-l 100 lb.		...	3.97
Canary 100 lb.		...	3.92
bags le-l 100 lb.		...	4.02
Potato, white 220 lb bags le-l	lb.	...	.08½
Yellow, 220 lb bags	lb.	...	.08½
Tapioca, 200 lb bags le-l	lb.	.08	.08¼
Divi Divi Extract	lb.	.04	nom
Pods, bags ship	ton	41.00	42.00
EARTH, Diatomaceous, see Kieselguhr			
Egg Yolk, 200 lb cs	lb.	.73	.75
Ester Gums			
Dark, 280 lb. bbls.,	lb.	.13¾	.14
Light, 280 lb. bbls.	lb.	.14	.14
Fish Scrap, dried wks	unit	4.15	& .10
Acid Bulk 7 & 8½, Deliv. Norfolk & Balt basis	unit	3.50	& .5
Flavine Lemon 55 lb cs	lb.	.90	.9
Orange 70 lb cs	lb.	.85	.9
Fossil Flour	lb.	.02½	.0
Fustic, solid 50 lb boxes	lb.	.20	.2
Crystals, 100 lb boxes	lb.	.20	.2
Liquid, 51°, 600 lb bbls	lb.	.09	.1
Fustic, sticks	ton.	30.00	32.00
Chips	lb.	.04	.0
Gall extract	lb.	.20	.2
Gambier 25% liq., 450 lb bbls	lb.	.12	.14
Common 200 lb cases	lb.	.08	.09
Singapore cubes, 150 lb bags	lb.	...	.2
Gelatin, Technical 100 lb cs	lb.	.45	.50
Glucose, (Grape Sugar) dry 70° bags c-l NY	100 lb.	3.14	3.34
80° bags c-l NY	100 lb.	3.34	3.34
Tanners' Spcl 100 lb bgs 160	lb.	...	3.14
GLUE, pure white bbls	lb.	.22	.26
Medium white, bbls	lb.	.20	.24
French bbls	lb.	.13	.2
High Grade, bbls	lb.	.35	.40
Bone, regular, bbls	lb.	.10	.12
Fish, bbls	gal.	1.50	1.75
Hide bbls	lb.	.14	.24

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GUM, Accroides, Red, coarse and fine, 140-150 lb bags	lb.	.03¾	.04½
Powdered, 150 lb bgs.	lb.	.06	.06½
Accroides, Yel. 150-200 lb bgs	lb.	.18	.20
Animi (Zanzibar) Bean and pea 250 lb. cases	lb.	.40	.45
Glassy, 250 lb cases	lb.	.60	.65
Asphaltum, Barbadoes, Manjak 200 lb bags	lb.	.09	.12
Egyptian, 200 lb. cases	lb.	.15	.17
Gilsonite selects 150 lb bgs	ton	55.00	60.00
Benzoin, Sumatra, Tech., 120 lb cases	lb.	.30	.32
Copal, Congo, 112 lb bags Water White,	lb.	.35	.36
Light Amber,	lb.	12½	.14
Dark Amber,	lb.	08¾	.09
Clean Opaque	lb.	.12	.13
Copal, East Indian 224 lb cases, 180 lb bags— Pale, E. I. Bold	lb	.18	.18½
Pale, E. I. Chips	lb	.07½	.08
180 lb. bags— Copal, Manila, 180-190 lb baskets— Pale Bold, Loba A,	lb.	.16	.16¼
Pale Bold, Nuba, Loba B	lb.	.15	.15½
Pale, Bold, Loba C	lb.	.14½	.15
Pale Nuba, P.N.	lb.	.14	.14½
Pale Bold, 224 lb cases	lb.	.16	.18
Copal, Pontianak 224 lb cases— Pale, Bold, genuine No. 1	lb.	.28	.28½
Pale, genuine split chips	lb.	.19	.19½
Damar, Batavia, standard. 136 lb cases	lb.	.27	.27½
Batavia E Seeds 136 lb cases	lb.	.18½	.19
Batavia, F Splinters, 136 lb. cases and bags	lb.	.09	.09½
Batavia, Dust 160 lb bags	lb.	.07	.07½
Singapore No 1 224 lb cs	lb.	.34	.35
Singapore No. 2 224 lb cases	lb.	.21	.21½
Singapore No. 3 180 lb bgs	lb.	.11	.11½
Elemi, No. 1 80-85 lb cs	lb.	.15	.16
No. 2 80-85 lb cases	lb.	.14	.15
No. 3, 80-85 lb cases	lb.	.13	.14
Kauri No. 1 224-226 lb cases	lb.	.67½	.68
No. 2, fair pale 224-226 lb cases	lb.	.44½	.45
Bush Chips, 224-260 lb. cases	lb.	.42	.43
Pale Chips, 224-260 lb cases	lb.	.24½	.26
Brown Chips, 180-200 lb. bags	lb.	.14½	.16
Sandarac, Prime quality 220 lb. bags and 300 lb casks	lb.	.26	.27
Graphite, crude, 230 lb bags	ton	15.00	35.00
Flake, 500 lb bbls	lb.	.05	.09
HEMATINE, Paste, 500 lb bbls	lb.	.09	.12
Crystals, 400 lb bbls	lb.	.12	.20
Hemlock, 25% 600 lb bbls wks	lb.	.03½	.03¾
Bark,	ton.	...	16.00
Hypernic, 51° 600 lb bbls	lb.	.12	.15
Indigo Madras bbls	lb.	1.28	1.30
20% paste drums	lb.	.14	.15
Japan Wax 224 lb cs	lb.	.18½	.19
KIESELGUHR, 95 lb bags NY	ton	60.00	70.00
Larch 25% 600 lb bbls wks	lb.	.03¾	.04
Powd., 100 lb. bags wks	lb.	.08	.09
Logwood 51° 600 lb bbls	lb.	.08¼	.08½
Lower grades	lb.	.07½	.08
Solid, 50 lb boxes	lb.	.12	.15
LOGWOOD, sticks	ton.	26.00	27.00
Chips, 150 lb bags	lb.	.03	.03½
Madder, Dutch	lb.	...	.30
Mangrove, 55% 400 lb bbls	lb.	.03½	nom.
Mangrove, bark, African	ton.	...	36.00
Marble Flour, bulk	ton.	10.00	12.00
See also Calcium Carbonate under Chemicals			
Montan Wax, crude bags	lb.	.06½	.07
Bleached bags	lb.	.24	.27
Myrobalans, 25% liquid bbls	lb.	.04	.04¾
50% solid, 50 lb boxes	lb.	.08	.08¾
Myrobalans, bags J1	ton	43.00	44.00
R2	ton.	...	...
New crop	ton.	27.25	28.00
J2	ton.	...	...
New crop	ton	28.25	29.00
Nitrogenous Material bulk,	unit	...	3.60
NUTGALLS, Chinese, bags	lb.	.17	.18
Aleppy bags	lb.	.25	nom.
Powd. bags	lb.	.23	.24
Oak bark, whole	ton.	20.00	23.00
Ground	ton.	45.00	50.00
Oak, tanks, wks	lb.	...	.03½
23-25% liq. 600 lb bbls wks	lb.	.04	.04⅛
Solid, powd.	lb.	.07½	.08
Osage Orange 51° liquid	lb.	.07	.07½
Powd. 100 lb bags	lb.	.14½	.15
Crystals	lb.	.16	.17
Paracoumarone, 230 lb. drums	lb.	.12	.15
Paraffin, ref'd. 200 lb. cs slabs 118-120 deg. M.P.	lb.	.08	.09
123-127 deg. M.P.	lb.	.06½	.06¾
128-132 deg. M.P.	lb.	.07½	.07¾
133-137 deg. M.P.	lb.	.08	.08½
138-140 deg. M.P.	lb.	.08¾	.10
Phosphate Acid, 16% Bulk wks	unit	.62½	.65
Phosphate Rock, fob., mines Florida Pebble 68%	ton.	3.00	3.25
Florida Pebble 70%	ton	3.50	3.65
Florida Pebble 72%	ton	3.85	4.00
Florida Pebble, basis 75%-74%	...		5.35
Florida Pebble, 75%	...		5.60
Florida Pebble, basis 77%-76%	...		6.00
Tennessee, 72%	ton.	...	5.50
Pine Oil, stm., dist. bbls	gal.	...	.66
Destructive dist.	lb.	.63	.64
Prime	bbl.	8.00	10.60
Plaster Paris, tech., 250 lb bbls	bbl.	...	3.30
Pumice Stone, lump, 250 lb bbls	lb.	.04½	.06
Lump, bags	lb.	.04	.05
Powdered, 350 lb bbls	lb.	.02½	.03
QUEBRACHO, 35% liquid tks	lb.	.03	.03½
450 lb bbls c-l		.03½	.04
35% bleaching, 450 lb bbls	lb.	.04	.05
Solid 63% 100 lb. bales cif.	lb.	.04¾	.04¾
Clarified, 64% bales	lb.	...	.05
Quercitron, 51° 450 lb bbls	lb.	.06½	.07
Solid, 100 lb. boxes	lb.	.10	.13
Quercitron, bark, rough	ton.	...	14.00
Ground	ton.	34.00	35.00

Rosins. (Solid in 600 lb bbls gross for net)

B,	13.25	I	13.25
D,	13.25	K	13.25
E	13.25	M	13.25
F	13.25	N	14.15
G	13.25	WG	15.15
H,	13.25	W	17.25

(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)

Rosin Oil, first run 50gal bbls	gal.	...	.85
Second run bbls	gal.	...	.90
Rotten Stone lump imp. bbls	lb.	.07	.08
Lump selected, bbls	lb.	.09	.12
Powdered, bbls	lb.	.02	.05
Domestic bags mines		24.00	30.00
Sago Flour 150 lb bags	lb.	.04¼	.05
Shellac, T.N. bags	lb	.46	.47
Superfine bags	lb	.50	.51
Garnet, bags	lb	.45	.46
Bone dry, bags	lb	.55	.56
Spruce, 25% liquid tanks, wks	lb.	.01	.01½
bbls	lb.	...	.01¾
Powd. 50% 100 lb bags wks	lb.	.02	.02¼
Starch, rice, 140 lb bags	lb.	.09	.10
Powd. 140 lb bgs c-l	100 lb.	...	3.42
Bags lc-l	100 lb.	...	3.52
Pearl, 140 lb bags	100 lb.	...	3.32
Bags lc-l	100 lb.	...	3.42
Potato domestic, 200 lb bgs c-l	lb.	.04¾	.05
Imported bags duty paid	lb	.06¼	.06½
Wheat, dom., thick bags	lb.	.06½	.07
Thin, bgs	lb.	.09½	.10
Sol. Potato	lb.	.06	.06½
Sumac, extract, liq 450 lb bbls	lb.	.05	.06
CP., 450 lb bbls	lb.	...	.10¼
Stainless, 600 lb bbls	lb.	.11	.11½
Sumac, Sicily leaves 100 lb bags	ton	130.00	nom.
Ground shipment	ton.	75.00	78.00
Virginia, 150 lb bags	ton.	55.00	60.00
TALC, Italian 220 lb bags NY	ton.	40.00	50.00
Refined, white bags	ton.	50.00	55.00
French, 220 lb bgs NY	ton.	30.00	35.00
Refined, white bags	ton.	38.00	45.00
Dom., crude, 100 lb. bags NY	ton.	12.00	15.00
Refined 100 lb bags NY	ton.	16.00	18.00
Tankage, ground NY	unit	4.25 &	.10
High grade fob Chicago	unit	4.25 &	.10
So. Am. cif.,	unit	4.50 &	.10
Tapioca Flour, high grade bgs	lb.	.04¾	.05
Medium grade, bgs	lb.	.03¾	.04
Low grade, bags	lb.	.03	.03¼
Tar, Kiln-burnt	bbl.	...	14.50
Retort bbls	bbl.	...	18.50
Tripoli, 500 lb. bbls	100 lb.	2.50	3.00
Turpentine Spirits, bbls	gal	.86	.91
Wood steam Dist. bbls	gal	.76	.81
Valonia Cups 30-31% tan	ton	39.00	40.00
Beard, 42% tan bags	ton	56.00	57.00
Mixture Bark, bags	ton	42.50	43.00
Wattle Bark, bags	ton	41.50	42.50
Extract 55% dble bgs ex-dock	lb.	...	.05¼
Whiting 200 lb bags c-l wks	100 lb.	...	1.25
Alba bags NY c-l	ton.	...	13.00
Gilders, bags NY c-l	100 lb.	...	1.35

Fish Scrap—Prices are steady at levels previously attained at the fish factories. As the demand has been good and any addition to stocks unlikely now, a further advance is not unexpected.

Myrobalans—Higher prices are heard in some directions for shipment parcels of all grades, but it is believed that a firm order would be filled at the current quotations. However, the consumers seem to be more interested and the undertone is good.

Japan Wax—Prices continue well maintained at unchanged levels on a good consuming inquiry and firm replacement costs.

Rosins—At the close of last week spot rosins showed an advance of about 50c 280 lbs. on all grades. This naturally follows at this season as the receipts at the primary markets become less and at the present time buying interest seems on the increase with the result that the position is undoubtedly firmer. Exporters have noticed a slightly better inquiry from foreign buyers. Current quotations are: B, D, E, F, G, H, I, K, M. $13.25; N, $14.15; WG, $15.15; WW, $17.25.

Tankage—Sellers seem anxious to dispose of what stocks there are for sale, although they are not inclined to shade prices to any extent to secure the business. Surprise is expressed that the mixers are not purchasing more freely at this season. The market in all sections is unchanged.

Turpentine—Locally the turpentine market continues to fluctuate over the range of the past two months. After opening fairly strong at the beginning of last week, it slumped off to 86c@91c gal. at the close. In spite of the seeming weakness of the market, factors regard the position as good and look for an increased demand to advance the price to higher levels.

Valonia—This week has shown no changes in the shipment position, but at the beginning of last week dispatches from abroad indicated a much higher price for all grades and this action is borne out by the better consuming interest noted here.

Wattle Bark — Activity on this market is not great but with the better interest in all tanning materials, offerings for shipment are firm at unchanged levels.

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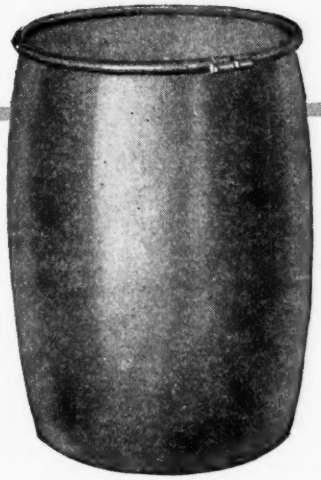

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IMPORTS AT NEW YORK

Nov. 12 to 19

ACIDS—Boracic, 100 bgs., Pacific Coast Borax Co., Leghorn; **Cresylic**, 23 drs., E H Watson, Rotterdam; 5 drs., Order, Rotterdam; 5 drs., Order, Liverpool; **Formic**, 80 balloons, R W Greeff & Co., Rotterdam; 84 demijohns, A Klipstein & Co., Rotterdam; **Oxalic**, 93 cks, A Klipstein & Co., Rotterdam; **Tartaric**, 100 kgs., W Benkert & Co., Rotterdam; 56 kgs., Order, Rotterdam

AMMONIUM—Carbonate, 20 cks., J Turner & Co., Liverpool; **Muriate**, 980 cks., Kuttroff Pickhardt & Co., Rotterdam

ETHYLENE DIBROMIDE—37 bbls., Potash Importing Corp of America, Hamburg

ETHYLBENZYLANILINE—2 cks., General Dyestuff Corp., Rotterdam

ALCOHOL—Denatured, 150 drs., 50 bbls., C Esteva, San Juan

AMORPHOUS PHOSPHORUS—60 cs., Order, Hamburg

ANTIMONY—Regulus, 1,100 cs., Anderson Meyer & Co., Hankow; 100 cs., F W Frost & Co., Hankow; 500 cs., Arnhold & Co., Hankow

ARGOLS—17 cks., Tartar Chemical Works, Naples; 344 bgs., 217 bls., C Pfizer & Co., Lisbon

BARYTES—300 bgs., E L Bullock & Sons, Inc., Hamburg; 1,000,000 kilos, Ore & Chem Corp., Rotterdam; 25 cs., C J Osborn & Co., Bremerhaven

BENZOYL CHLORIDE—40 cks., Order, Hamburg

BENZOYL PEROXIDE—3 cs., A Gulbenkian, Rotterdam

BLANC FIXE—70 cks., C J Osborn & Co., Rotterdam

CHALK—820,000 kilos, J W Higman Co., Dunkirk; 480,000 kilos, Kidder Peabody & Co., Dunkirk; 520,000 kilos, J W Higman & Co., Dunkirk; 100 bgs., American Exchange Pacific National Bank, Antwerp; 250 bgs., Wishnick Tumpeer Chemical Co., Inc., Antwerp; 100 bgs., Order, Antwerp; 700 bgs., National City Bank, Antwerp; 200 bgs., Lehn & Fink, Hamburg

CHEMICALS—89 cks., Order, Bremen; 113 cks., International Acceptance Bank, Rotterdam; 13 bbls H Falck & Co., Hamburg; 200 cks., Roessler & Hasslacher Chemical Co., Antwerp; 60 drs., R W Greeff & Co., Rotterdam; 80 balloons, 55 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 150 cks., 248 cs., C Geiger Inc., Rotterdam; 41 cks., Kidder Peabody & Co., Rotterdam; 100 bgs., A Klipstein & Co., Rotterdam; 55 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 428 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 15 cks., A Klipstein & Co., Rotterdam; 100 cks., Order, Rotterdam; 25 cs., Kachurin Drug Co., Hamburg; 3 cs., Dissosway Chemical Co., Hamburg; 20 cks., Eimer & Amend, Hamburg; 5 cs., Pfaltz & Bauer, Rotterdam; 20 cks., Panama Pacific Line, Antwerp; 201 cks., Order, Antwerp; 200 bgs., Roessler & Hasslacher Chemical Co., Bremen; 3 cks., Superfos Co, Inc., Hamburg; 59 bgs., Eimer & Amend, Hamburg; 10 bgs., F Behrend Inc., Hamburg; 25 bbls., American Express Co., Liverpool; 26 bgs., 20 bbls., Dissosway Chemical Co., Inc., Hamburg; 4 drs., Calco Chemical Co., Hamburg; 150 bbls., Equitable Trust Co., Hamburg; 50 cs., N Y Quinine & Chemical Co., Hamburg; 3 cs., Eli Lilly & Co, Hamburg; 82 cks., Rhodia Chemical Co., Rotterdam; 31 cs. P Uhlich & Co., Rotterdam; 40 cs., Merck & Co., Rotterdam; 28 cs., Hummel & Robinson Corp., Rotterdam; 34 pgs., Order, Rotterdam; 22 cs., Hoffman-LaRoche Co., Hamburg; 145 pgs., Pfaltz & Bauer, Hamburg; 13 pgs., Eising Syndicate Inc., Hamburg; 5 bbls., 10 kgs., Meadows Wye & Co., Hamburg; 229 pgs., Jungmann & Co., Hamburg

CHEMICAL PRODUCTS—6 cks., Merck & Co., Hamburg; 65 cs., Ciba Co., Havre; 50 cks., C W Leavitt & Co., Havre

CHLOROPHYLL—12 cs., Order, Hamburg

CHROME ALUM—72 cks., A Klipstein & Co., Hamburg

COAL TAR—Distillate, 12 drs., Tar Acid Refining Corp., Liverpool; 5 drs., A Hurst & Co., Hamburg; **Products**, 11 cs., General Dyestuff Corp., Hamburg

COLORS—5 cs., B F Drakenfeld & Co., Bremen; 2 cs., F L Kraemer & Co., Bremen; 3 cks., Ackermann, Genoa; 11 cks., General Dyestuff Corp., Hamburg; 52 cks., 23 cs., General Dyestuff Corp., Rotterdam; 56 pgs., 20 cylinders, Sandoz Chemical Works, Havre; 51 cs., La Manna Azema & Farman, Havre; 13 bbls., Carbic Color & Chemical Co., Havre; 128 pgs., Ciba Co., Havre; 27 cks., Geigy Co., Havre; 10 cks., Reichard Coulston Inc., Havre; 115 pgs., Ciba Co., Havre; 29 cks., Geigy Co., Havre; 18 cks., Reichard Coulston Inc., Rotterdam; 4 cks., Chemical National Bank, Antwerp; 5 bbls., Irving Bank, Columbia Trust Co., Antwerp, **Bronze**, 4 cs., L Uhlfelder & Co., Bremen; 14 cs., B F Drakenfeld & Co., Bremen; 5 cs. Gallagher & Ascher, Hamburg; 24 cs., Baer Bros., Hamburg; 4 cs., C B Richard & Co., Hamburg; 17 cs., B F Drakenfeld & Co., Bremerhaven; 8 cs., Hensel Bruckmann & Lorbacher, Bremen; 14 cs., Phoenix Shipping Co., Hamburg; **Coal Tar**, 271 cks., Gen Dyestuff Corp., Rotterdam; 121 cks., 41 cs., General Dyestuff Corp., Rotterdam; 58 cks., 1 cse., General Dyestuff Corp., Rotterdam; **Earth**, 22 cks., Reichard Coulston Inc., Hamburg

COPRA—70 bgs., Franklin Baker Co., Kingston

CROTONOL—13 cks., Kuttroff Pickhardt & Co., Rotterdam

DIOLENE—40 drs., Roessler & Hasslacher Chemical Co., Hamburg

EARTH—50 bbls., R J Waddell & Co., Leghorn; 5 bbls., Order, Leghorn; 125 bbls., E E Marks, Leghorn

EPSOM SALTS—1,000 bgs., Innis Speiden & Co., Hamburg; 1,000 bgs., Order, Bremen

EXTRACT—Archil Liquor, 5 cs., A De Ronde & Co., London; **Logwood**, 5 bbls., Domingo Dyewood Corp., Monte Cristi; **Mangrove Bark**, 500 bgs., Order, Singapore

FULLERS EARTH—500 bgs., L A Salomon & Bro., London

GAMBIER—5 cs., Order, Singapore; 340 cs., Arbuthnot Latham & Co., Singapore; 1,315 cs., Order, Singapore

GELATINE—45 cs., P C Zuhlke, Rotterdam; 60 cs., American Express Co., Rotterdam; 30 bbls., H A Sinclair, Rotterdam

GLAUBER SALTS—20 pgs., A Klipstein & Co., Hamburg

GLUE—120 cs., 7 cts., L W Ferdinand & Co., London; 40 bgs., Gallagher & Ascher, Liverpool; 80 bgs., E Miller, Antwerp; 20 bgs., S Isaac & Co., Rotterdam; 522 bgs., L Lederer, Rotterdam; 100 bgs., Order, Constanza; 188 bls., British Bk of So Am, Antwerp; 89 bls., 24 bbls., M Miller, Antwerp; 100 bgs., Milligan & Higgins Glue Co., Liverpool; 60 bgs., Gallagher & Ascher, Liverpool; 40 bgs., Pfaltz & Bauer, Hamburg

GLUESTOCK—362 bls., Order, Genoa; 1,000 bgs., Order, Marseilles

GLYCERINE—100 drs., Order, London; 66 drs., Franklin Baker Co., Liverpool; 10 drs., Brown Bros & Co., Antwerp; 75 drs., Colgate & Co., Hamburg

GUMS—9 cs., Order, Constanza; 18 pgs., Gulabi Gulbenkian & Co., Constantinople; 31 cs., Order, Constantinople; **Chicle**, 614 bgs., Mexican Exploitation Co., Vera Cruz; 110 bgs., Chicle Development Co., Vera Cruz; 58 bgs., J A Medina & Co., Progresso; 47 bls., O Gerdau Co., Progresso **Copal**, 66 bkts., G H Lincks, Macassar; 70 bkts., A Klipstein & Co., Macassar; 534 bkts., Paterson Boardmann & Knapp, Macassar; 336 bkts., W H Scheel, Macassar; 305 bkts., Order, Macassar; 64 cs., L C Gillespie & Sons, Singapore; 50 cs., 320 bgs., Chemical National Bank, Singapore; 50 cs., Baring Bros & Co. Singapore 64 bgs., Guaranty Trust Co., Singapore; 559 bgs., Paterson Boardmann & Knapp, Antwerp; 280 bgs., J D Lewis, Antwerp; 272 bgs., Chemical National Bank, Antwerp; 10 bgs., S Winterbourne & Co., Antwerp; 10 bgs., Paterson Boardmann & Knapp, Antwerp; 204 bgs., Order, Antwerp; 267 bkts., Order, Macassar; 1,022 bkts., 451 bgs., Innes & Co., Macassar; 73 bkts., 222 bgs., S Winterbourne & Co., Macassar; 207 bkts., 78 bgs., National City Bank, Macassar; 272 bkts., France Campbell & Darling, Macassar; 458 bkts., W R Grace & Co., Macassar; 64 bgs., L C Gillespie & Sons, Singapore; 76 bkts., S Winterbourne & Co., Macassar; 56 bkts., Catz American Corp., Macassar; 131 bkts., Gravenhorst & Co., Macassar; 367 bkts., 37 cs., Innes & Co., Macassar; 66 bkts., Paterson Boardmann & Knapp, Macassar; 70 bkts., Magnus Mabee & Reynard, Macassar; 69 bkts., Order, Macassar; 400 bgs. Brown Bros & Co., Antwerp; 93 bgs., L C Gillespie & Sons, Antwerp; 207 bgs., Kidder Peabody Acceptance Corp., Manila; **Damar**, 100 cs., Order, Singapore; 88 bgs., Brown Bros & Co., Batavia; 100 cs., Innes & Co., Batavia; 800 cs., Order, Batavia; 50 cs., L C Gillespie & Sons, Singapore; 150 bgs., 50 cs., Order, Singapore; 200 cs., Paterson Boardmann & Knapp, Batavia; 100 cs., National City Bank, Batavia; 100 cs., Order, Batavia; 128 bgs., Paterson Boardmann & Knapp, Singapore; 50 cs., L C Gillespie & Sons, Singapore; 50 cs., Baring Bros & Co., Singapore; 200 cs., Paterson Boardmann & Knapp, Batavia; 200 cs., A Klipstein & Co., Batavia; 200 cs., Order, Batavia; 141 pgs., C F Smillie & Co., Batavia; 100 cs., Irving Bank Columbia Trust Co., Batavia; 150 cs., Order, Batavia; 114 bgs., Irving Bank Columbia Trust Co., Batavia; 400 bgs., Central Union Trust Co., Batavia; 150 cs., W Schall & Co., Batavia; 100 cs., Kidder Peabody Acceptance Corp., Batavia; 100 cs., Brown Bros & Co., Batavia; 100 cs., Order, Batavia; **Elemi**, 280 cs., W Schall & Co., Manila; **Hashab**, 250 bgs., T M Duche & Sons, Port Sudan; 100 bgs., Brown Bros & Co., Port Sudan; 251 bgs., Order, Port Sudan; **Kauri**, 27 cs., Brown Bros & Co., Auckland; 88 cs., Chemical National Bank, Auckland; 87 cs., Paterson Boardmann & Knapp, Auckland; 44 cs., 12 bgs., Davies Turner & Co., Auckland; 69 cs., Guaranty Trust Co., Auckland; 96 cs., Irving Bank Columbia Trust Co., Auckland; 660 bgs., 30 cs., United National Bank, Auckland; 120 cs., 30 bgs., Order, Auckland; **Mastic**, 10 cs., D Costallos, Piraeus; 27 cs., Stamoulis Bros., Piraeus; **Talha** 100 bgs., Order, Port Sudan; **Tragacanth**, 26 cs., Orbis Products Trading Co., Southampton; 16 cs., 8 bgs., Bank of Montreal, Southampton

HERTOLAN—6 cks., General Dyestuff Corp., Rotterdam

IRON OXIDE—51 cks., J A McNulty, Liverpool; 320 bbls., C J Osborn & Co., Malaga; 48 bbls. A Kraemer, Malaga; 47 cks., Reichard Coulston Inc., Liverpool

IRON—Sulfate, 46 bbls., W A Foster & Co., Hamburg; **Sulfuric**, 14 cs., Mallinckrodt Chemical Works, Hamburg

KAINIT—182,730 kilos, Potash Importing Corp of America, Hamburg

LITHOPONE—40 cks., E M & F Waldo, Antwerp; 40 cks., C J Osborn & Co., Rotterdam

MAGNESITE—Caustic, 170 bgs., Brown Bros & Co., Rotterdam

MAGNESIUM—148 drs., National Bank of Commerce, Hamburg; **Chloride**, 184 drs., Order, Hamburg; 332 drs., Innis Speiden & Co., Hamburg; 295 drs., Innis Speiden & Co., Hamburg; 184 drs., Order, Hamburg

METHANOL—243 drs., Kuttroff Pickhardt & Co., Rotterdam

METHYL CHLORIDE—1 cyl., Kuttroff Pickhardt & Co., Rotterdam

MYROBALANS—2,000 pockets, Standard Bank of South Africa, Calcutta; 1,000 pockets, National City Bank, Calcutta

OCHRE—219 cks., J L Smith & Co., Marseilles; 926 cks., Reichard Coulston Inc., Marseilles; 200 cks., L Scott Libby Corp., Marseilles; 537 bbls., Reichard Coulston Inc., Marseilles; 100 bbls., J L Smith & Co., Marseilles; 117 bbls., Reichard Coulston Inc.,

OILS—Coconut, 1,167 tons, Spencer Kellogg & Sons, Manila; 1,281 tons, Spencer Kellogg & Sons, Manila; 1,086 tons, Philippine Re-

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Washington, D. C., 1110 Connecticut Ave., Main 7400
Honolulu, T. H., 923 Fort Street

fining Co., Cebu; **Cod,** 208 cks., Cook Swan & Young, Halifax; 50 cks., Swan Finch Oil Corp. Halifax; 200 cks., Good Swan & Young Corp., Halifax; 50 cks., G Badcock & Co., Halifax; 100 cks., Order, **Halifax; Haarlem,** 25 cs., Order, Rotterdam; **Linseed,** 186 drs., W Van Doorn, Rotterdam; **Olive,** 180 cs., J Wile Sons & Co., Nice; 265 bbls., Order, Nice; 501 cs., Order, Genoa; 200 cs., G Sasso & Sons, Genoa; 101 bbls., Lionella Perera & Co., Seville; 425 bbls., 757 bxs., Order, Seville; 1,075 cs., Order, Genoa; 1,450 cs., Order, Leghorn; 100 cs., C Stefano, Naples; 100 cs., P Parlato, Genoa; 100 cs., P Pastene & Co., Genoa; 615 cs., Order, Genoa; 500 cs., Order, Leghorn; 600 cs., W A Taylor & Co., Barcelona; 200 bbls., 253 cs., 375 drs., Order, Malaga; 100 drs., Lazard Freres, Malaga; 100 cs., Cottone Bros Inc., Genoa; 500 cs., Italian Discount & Trust Co., Genoa; 100 cs., Order, Genoa; 455 cs., J P Smith & Co., Marseilles; 550 drs., 500 cs., Order, Malaga; **Palm,** 179 cks., African & Eastern Trading Co., Hamburg; 55 cks., African & Eastern Trading Co., Hamburg; 136 drs., D Bacon, Liverpool; 322 cks., W & A Leaman, Rotterdam; 30 bbls., Order, Liverpool; 350 tons, Superintendence Co., Belawan Deli; 305 bbls., National City Bk., Belawan Deli; **Rape,** 100 bbls., 100 drs., The Pierce Co., Moji; 500 drs., Mitsui & Co., Kobe; **Rosin,** 25 drs., Order, London; **Sesame** 200 drs., J C Francesconi & Co., Rotterdam; **Sperm,** 100 bbls., Order, Glasgow; **Sulphur,** 350 bbls., Seaboard National Bank, Bari; 250 bbls., **Leghorn Trading Co.,** Bari; 400 bbls., National City Bank, Naples; 150 bbls., Leghorn Trading Co., Naples; **Wood,** 437 tons, American Finance & Commerce Co., Hankow; 400 bbls., Mitsui & Co., Hankow; 5,040 piculs, L C Gillespie & Sons, Hankow; 297 tons, Order, Hankow; 100 bbls., Mitsui & Co., Hankow

OXYCHLORIDE PHOSPHORUS—37 cks., Order, Hamburg

PITCH—Montan Wax, 900 bgs., Strohmeyer & Arpe Co., Hamburg

POTASSIUM SALTS—68 cks., 10 bbls., A Klipstein & Co., Hamburg; **Alum,** 250 cks., A Klipstein & Co., Hamburg; **Carbonate,** 31 bbls., Innis Speiden & Co., Hamburg; **Caustic,** 176 drs., A Klipstein & Co., Hamburg; 50 drs., Order, Hamburg; 3 cs., Michigan Drug Co., Hamburg; 10 cs., Eimer & Amend, Hamburg; 5 cks., Baldwin Universal Co., Hamburg; 247 drs., Order, Hamburg; 505 drs., A Klipstein & Co., Hamburg; **Chlorate** 2,016 bbls., Seaboard National Bank, Hamburg; 3,500 cks., Uniform Chemical Products Co., Hamburg; **Muriate,** 2,050 bgs., Pot Importing Corp of America, Hamburg; 550 bgs., Societe Comm des Potasses d'Alsace, Antwerp; 1,750 bgs., Potash Importing Corp of America, Hamburg; **Nitrate,** 250 bgs., Order, Hamburg; 250 bgs., Order, Bordeaux; 250 bgs., G W Sheldon & Co., Bordeaux; **Permanganate,** 20 drs., A Klipstein & Co., Hamburg; **Prussiate,** 50 kgs., A Klipstein & Co., Hamburg; **Sulfate,** 50 bbls. Pot Importporting Corp of America, Bremerhaven; 5,350 bgs., Potash Importing Corp of America, Hamburg; **Sulfoguaiacol,** 10 cs, Heyden Chem Corp., Hamburg; **Sulfoguaiacolate,** 10 cs., F B Vandegrift & Co., Hamburg

PYRIDINE—6 drs., Order, Hamburg

QUICKSILVER—217 flasks, 300 bottles, H W Peabody & Co., Alicante; 600 flasks, Haas Bros., Alicante; 400 bottles, Order, Alicante; 40 flasks, Poillon & Poirier, Vera Cruz

SAL AMMONIAC—37 bbls., Superfos Co., Hamburg; 28 cks., A Klipstein & Co., Hamburg

SHELLAC—100 bgs., International Banking Corp., Calcutta; 100 bgs., Bank of London & South America, Calcutta; 1,320 bgs., 124 cks., Order, Calcutta; 9 bgs., F E Ross & Co., Singapore; **Button Lac,** 10 cs., Order, Calcutta; **Garnet Lac** 100 cs., A Hurst & Co., Hamburg; 75 bgs., 150 cs., Order, Hamburg; **Seed Lac,** 500 bgs., International Banking Corp., Calcutta; 1,970 bgs., Order, Calcutta; 13 cs., F E Ross & Co., Singapore

SOAP—775 pgs., Lockwood Bracket & Co., Valencia; 100 cs., Wallace & Co., Marseilles; 205 cs., Order, Marseilles; 170 bxs., Equitable Trust Co., Barcelona

SODIUM SALTS—Caustic, 20 cs., Mallinckrodt Chemical Works, Hamburg; 3 cs., Michigan Drug Co., Hamburg; 15 cks., Eimer & Amend, Hamburg; **Cyanide,** 1,000 cs., C R Spence & Co., Hamburg; **Cyancre,** 560 cans, Anglo South American Trust Co., Havre; **Nitrate,** 254 cks., Kutroff Pickhardt & Co., Hamburg; 12,964 bgs., Wessel Duval & Co., Antofagasta; 6,591 bgs., Antony Gibbs & Co., Antofagasta; 3,914 bgs., Anglo South American Trust Co., Antofagasta; 10,610 bgs., Antony Gibbs & Co., Iquique; 6,793 bgs, Anglo South American Trust Co., Iquique; 15,740 bgs., Wessel Duval Co., Iquique; 1,296 bgs., W R Grace & Co., Antofagasta; 21,815 bgs., W R Grace & Co., Iquique; 26,327 bgs., W R Grace & Co., Antofagasta; **Silico Fluoride,** 133 cks., H Sundheimer Inc., Rotterdam

SULPHUR—200 cks., Heemsoth & Basse, Bordeaux

SUMAC—350 bgs., Irving Bank Columbia Trust Co., Palermo; 840 bgs., Order, Palermo; 350 bgs., W S Monigmery & Co., Palermo; 420 bgs., Order, Palermo

TALC—500 bgs., Coty Inc., Genoa; 250 bgs., National City Bank, Genoa; 300 bgs, L A Salomon & Bro., Bordeaux; 700 bgs., Whittaker Clark & Daniels, Bordeaux; 250 bgs., L A Salomon & Bros., Genoa; 1,505 bgs., C Mathieu, Genoa; 400 bgs., Kountze Bros., Genoa

TAPIOCA—Flour, 570 bgs., Arabol Mfg Co., Batavia; 1,111 bgs., Stein Hall & Co., Batavia; 220 bgs., Order, Sourabaya; 1,258 bgs., Catz American Corp., Batavia; 714 bgs., Catz American Corp., Batavia; 194 bags, Philadelphia National Bank, Batavia; 250 bgs., National City Bank, Batavia; 1,188 bgs., Central Union Trust Co., Batavia; 286 bgs., Bank of N Y & Trust Co., Batavia; 287 bgs., International Banking Corp., Batavia; 1,038 bgs., Goldman Sachs & Co., Batavia; 500 bgs., Irving Bank Columbia Trust Co., Batavia; 5,784 bgs., National City Bk., Sourabaya; **Pearl,** 288 bgs., Fidelity International Trust Co., Batavia; 972 bgs., National City Bank, Sourabaya

TARTAR—171 bgs., C Pfizer & Co., Lisbon; 849 bgs., C Pfizer & Co., Marseilles; 859 bgs., Royal Baking Powder Co., Marseilles; 195 bgs., C Pfizer & Co. Marseilles; 206 bgs., C Pfizer & Co., Valencia; 803 bgs., Royal Baking Powder Co., Marseilles; 100 bgs., C Pfizer & Co., Marseilles; 174 cs., Royal Baking Powder Co., Lisbon; 114 bgs., Royal Baking Powder Co., Bordeaux

UREA—100 cks., Kuttroff Pickhardt & Co., Rotterdam

WAX—Bees, 64 bls., C R Spence & Co., Rotterdam; 16 sks., D Steengrafe, Tampico; 52 bgs., Order, Lisbon; 17 bgs., E A Canalizo & Co., Lisbon; 94 bgs., Black Diamond S S Corp. Rotterdam; 199 pgs., Order, Lisbon; 13 bls., D Steengrafe, Ponce; 11 bgs., W R Grace & Co., Valparaiso; 17 bgs., W R Grace & Co., Valparaiso; 76 bgs., National Bank of Commerce, Hamburg; **Mineral,** 40 bgs., Schliemann Co., Inc., Hamburg; **Montan** 300 bgs., Chemical National Bank, Hamburg; 276 bgs., National Bank of Commerce, Hamburg; 750 bgs., Strohmeyer & Arpe Co., Hamburg; 1,100 sks., Order, Hamburg; **Paraffin,** 1,600 bgs., Asiatic Petroleum Co., London; 2,400 bgs., Asiatic Petroleum Co., Balikpapan

WHITING—2,608 bgs., Coupey Fils, Dunkirk; 1,000 bgs., I. Scott Libby Corp., Havre; 500 bgs., Hammill & Gillespie, Havre; 322 bgs., Coupey Fils, Havre

WOODFLOUR—500 bls., Order, Rotterdam

WOOL GREASE—100 cks., Pfaltz & Bauer, Hamburg; 90 bbls., Order, Antwerp; 50 bbls., Order, Liverpool

ZINC—Oxide, 30 cs., Schieffelin & Co., London; 3 cs., Order, London; 50 bbls., Reichard Coulston Inc., Marseilles; 200 bbls., Order, Marseilles; 9 cks., Order, Liverpool; 25 cks., E M & F Waldo, Rotterdam; **Salts,** 34 cks., A Klipstein & Co., Antwerp; 36 cks., A Klipstein & Co., Antwerp

IMPORTS AT BALTIMORE

BONES—Manufactured Reject, 180 bags, 16,636 lbs., Swift & Co., West Selena, Buenos Aires

HOOF MEAL—356 bags, 50,506 lbs., Hollingshurst & Co., West Selena, Buenos Aires

OIL—Sod, 168 casks, 35 tons, Baltimore & Ohio railroad, Winona County, Liverpool

POTASH—Kainit, 681,560 lbs., W G N Rukert Otta, Antwerp; **Manure Salt,** 20%, 2,710,810 lbs., W G N Rukert, Otta, Antwerp; 30%, 2,963,400 lbs., W G N Rukert, Otta, Antwerp; **Muriate,** 50%, 496,760 lbs., W G N Rukert, Otta, Antwerp; 30%, 1,287,317 lbs., French Pot Synd., Otta, Antwerp; 60%, 249,480 lbs., W G N Rukert, Antwerp; **Sulphate** 997,920 lbs., W G N Rukert, Otta, Antwerp

SEED—Canary, 239 bags, 33,528 lbs., Order, West Selena, Buenos Aires

Nov. 12 to 18

BARYTES—1,000 bags, 222,200 lbs., F H Shallus Co., Etna Maru, Hamburg

BAUXITE RESIDUE—672,212 lbs., John S Connor, Etna Maru, Hamburg

CHEMICALS—1 case, 130 lbs., Baltimore & Ohio railroad, Kieta Maru, Hamburg; 40 bbls., 19,519 lbs. Order, Etna Maru, Hamburg; 100 bags, 22,200 lbs., F H Shallus Co., Etna Maru, Hamburg

CLAY—China, 123 bbls., 49,390 lbs., Baltimore & Ohio railroad, Etna Maru, Hamburg

MAGNESITE—Burned, 2,039 bags, 408,705 lbs., C Tennant Sons & Co., Etna Maru, Hamburg

MAGNESIUM—Chloride, 552 bags, 55,862 lbs., Order, Etna Maru, Hamburg

MEDICINES—1 case, 147 lbs., American Checko Sales Corp., Kieta, Hamburg

NITROGENOUS MATERIAL—1,000 bags, 220,816 lbs., William H Masson, Etna Maru, Hamburg

OIL—Samples, 2 bbls., 904 lbs., Interocean Oil Company, Etna Maru, Hamburg; **Sesame** 12 casks, 5,185 lbs., Baltimore & Ohio railroad, Kieta, Hamburg

POTASH—54 bbls., 57,807 lbs., Roessler & Hasslacher Chemical Co., Etna Maru, Hamburg; 214 casks, 169,635 lbs., F H Shallus Co., Etna Maru, Hamburg; **Carbonate** 20 cases, 2,684 lbs., Order, Etna Maru, Hamburg; **Caustic,** 101 drums, 56,562 lbs., William H Masson, Kieta, Hamburg; 400 drms., 48,664 lbs., Tunis, Speiden & Co., Inc., **Kieta,** Hamburg; 200 drums, 112,205 lbs., F H Shallus Company, Etna Maru, Hamburg; **Kainit,** 500,785 lbs., Potash Importing Corp., Etna Maru, Hamburg; **Manure Salt,** 20%, 1,798,071 lbs., Potash Importing Corp., Etna Maru, Hamburg; **Muriate,** 5,000 bags, 1,004,740 lbs., Potash Importing Corp., Kieta, Hamburg; 13,500 bgs., 2,712,798 lbs., Potash Importing Corp., Etna Maru, Hamburg; 500 bags, 100,747 lbs., Order, Etna Maru, Hamburg; **Nitrate,** 97 csks, Order, Hamburg; **Sulphate** 3,000 bags, Potash Importing Corp., Kieta, Hamburg; 1,500 bgs., 301,422 lbs., Potash Importing Corp, Etna Maru, Hamburg; 3,500 bgs., F H Shallus Co., Etna Maru, Hamburg

PYRIDINE—6 drums, 5,969 lbs., Order, Etna Maru, Hamburg

SILICOFLUOR MAGNESIUM—15 bbls., 7,194 lbs., Order, Etna Maru, Hamburg; 50 bbls., 23,980 lbs., Order, Etna Maru, Hamburg

VEGETABLES—Dried, 5 cases, 715 lbs., American Checko Sales Corp., Kieta, Hamburg

WOOL GREASE—500 bbls., 227,887 lbs., Samuel Shapiro & Co., Kieta, Hamburg

IMPORTS AT NORFOLK, VA.

Oct. 21 to Nov. 4

COD LIVER OIL—Cake Meal 2,486 bags, Quaker Oats Co., Stavanger

HOOF MEAL—356 bags, Swift de la Plate, Buenos Aires; 2,049 bags, Swift de la Plate, Buenos Aires

LEUNASALTPETER—54,500 kilos, Kuttroff, Pickhardt Co., Rotterdam

LOGWOOD—1,260 tons, Imperial Dyewood Co., Jamaica

POTATO STARCH—1,250 bags, Stein Hall Co., Rotterdam

QUEBRACHO EXTRACT—6,225 bags, 311,125 kilos, International Products Corp., Buenos Aires

IMPORTS AT SAN FRANCISCO

Nov. 6 to 13

AMMONIA—25 casks, L H Butcher & Co., Hamburg

CHEMICALS—25 sacks, Order, Antwerp

COPRA—334 tons, Kidder, Peabody Acceptance Corp., Zamboanga; 172 tons, El Dorado Oil Works, Zamboanga; 240 tons, El Dorado Oil Works, Davoa; 741 tons, Pacific Oil & Lead Works, Cebu; 149 tons, El Dorado Oil Wks. **Tabaco;** 467 tons, Kidder, Peabody Acceptance Corp. Legaspi; 315 tons, Vegetable Oil Corp., Legaspi; 467 tons, Bank of Italy, Legaspi; 560 tons, El Dorado Oil Works, Legaspi

COPRA MEAL—2,240 sacks, Order, Manila

FLUORSPAR—900 bags, Pacific Coast Steel

PENTASOL

PURE AMYL ALCOHOL

SHARPLES TRADE MARK SOLVENTS

SPECIFICATIONS

Acidity	—Neutral
Ester Content	—None
Hydrocarbon Content	—None
Water Content	—None
Color	—Water White
Sp. Gr.	—.815 at 20°/20°/C
Distillation Range	113°C to — 138°C

Sixty percent above 124°
Twenty-two percent above 128°
No residual odor
No "heads" no "tails"

THE SHARPLES SOLVENTS CORP'N
Sharples Bldg., 23rd & Westmoreland Sts.
Philadelphia

1927 ALKALI PRICE SCHEDULE

SODA ASH LIGHT 58%

	Bags	Barrels
25 (Truckload) or more	$2.05	$2.25
5 to truckload	2.10	2.30
1 to 4 inclusive	2.20	2.40

SODA ASH DENSE 58%

	Bags	Barrels
25 (Truckload) or more	$2.20	$2.40
5 to truckload	2.25	2.45
1 to 4 inclusive	2.35	2.55

CAUSTIC SODA SOLID 76%

Truckloads (10 drums)	$3.65
5 to 9 drums inclusive	3.70
1 to 4 drums inclusive	3.80

Flake, Ground and Powdered CAUSTIC SODA

Truckloads (25 drums)	$4.15
5 up to truckloads	4.20
1 to 4 inclusive	4.30

Barrels 25c. per 100 lbs. more

The above prices are f. o. b. Philadelphia and for delivery within a radius of 20 miles. For ex-store, 10c. per 100 lbs. less than these prices.

George S. Coyne Chemical Co.
114 Walnut St. Philadelphia

R. W. GREEFF & CO.

INCORPORATED

78 FRONT ST. NEW YORK, N. Y.

Exclusive Distributors

CARBON BLACK

"Crow Brand"

Manufactured by

The Texas Carbon Industries, Inc.
Breckenridge, Texas

SODIUM SULPHIDE

Solid, Broken and Crystals

Manufactured by

The Titantium Pigment Co.
St. Louis, Mo.

Co., Shanghai
GAMBIER—85 cs., J D Spreckels Bros C., Singapore
GLYCERINE—13 drums, S L Jones & Co., Manila
HENEQUIN—609 bales, J B Havre & Co., Mazatlan; 118 bales, J B Havre & Co., La Union
IRON OXIDE—9 casks, L H Butcher & Co., London
OIL—Citronella, 12 drums, Atkins, Kroll & Co., Colombo; **Coconut,** 200 tons, Theo H Davies & Co., Manila; **Wood,** 326 tons, Order, Hongkong; 300 tons, American Finance & Commerce Co., Hankow
RAPESEED MEAL—118 bbls., K Inouye Co., Kobe
SEEDS—200 bags, Hoyt, Shepston & Sciaroni Rotterdam; 100 bags, Order, Rotterdam; 45 bgs., United Seed Co., Hamburg; 21 bags, Hoyt, Shepston & Sciaroni, Hamburg; 128 bgs., Order, Hamburg
SPICES—Nutmegs, 79 cases, Order, Rotterdam
TURPENTINE—51 drums, Mailliard, Schmiedell & Co., Acapulco
WAX—3 bags, Dollar Steamship Co., Balikpapan

Oct. 30 to Nov. 6

CHEMICALS—120 drums, Braun, Knecht & Heimann, Hamburg
COPRA—9,164 bags, Order, Papeete
GUM—Yucca, 1 bg., Hind, Rolph & Co., Sydney
HENEQUIN—684 bales, J B Havre & Co., La Union
OIL—Cod Liver, 100 bbls., Order, Antwerp; 25 bbls., the Raymond C., Hamburg; 100 bbls., Wilbur Ellis & Co., Kobe; **Soya Bean,** 10 cases, Balfour, Guthrie & Co., Dairen
SHELLAC—60 bags, Order, Calcutta
SOYA BEAN CAKE—797 bags, W R Grace & Co. Dairen; 2,007 bags, Order, Dairen
TARTAR—1,205 bags, American Cream Tartar Co., Bordeaux
UMBER—40 casks, L H Butcher, Manchester
BARYTES—180 packages, Mailliard, Schmiedell & Co., Hamburg

IMPORTS AT PHILADELPHIA

Nov. 3 to 10

ACID—Oxalic, 25 csks., Order, Rotterdam
ALLOY—Ferro, 90 bgs., Truempy, Faesy & Besthoff, Inc., Genoa; 5 bbls., Truempy, Faesy & Besthoff, Inc., Genoa
AMMONIA—Muriate, 20 csks., Order, Rotterdam
BARYTES—1,349,314 kilos, Order, Rotterdam
BAUXITE—5,530 tons, Order, Toulon
CHALK—1,000 bgs., Chatham Phenix Nat Bk & Trust Co., Antwerp
CHEMICALS—160 balloons, Roessler & Hasslacher Chemical Co., Rotterdam; 10 csks., Order, Rotterdam; 10 drms., E H Bailey & Co., London; 30 crbys., H Sundheimer & Co., London; 165 drms., E H Bailey & Co., London
CHLORIDE—2 drms., Order, Manchester
COPAL—100 bags, Brown Bros & Co., Antwerp
EARTH—Fullers, 550 bgs., L A Salomon & Bro., London
EXTRACT—Mangrove Bark, 300 bgs., Order, Singapore
FERTILIZER—800 bgs., Order, Marseilles
FLUORSPAR—5 lots, Order, Bremen; 1 lot, Order, Bremen; **Gravel,** 260 tons, 18 cwt., Order, Middlesboro
FUSTIC—70 tons H Triest Co. Inc., Port Morant; 30 tons, roots, H Triest Co., Inc. Port Morant
GLYCERINE—50 csks., Order, Marseilles; 20 csks., Order, Marseilles; 20 csks., Order, Marseilles; 120 csks., Order Marseilles; 70 drms., Union Trust Co., Antwerp; **Dynamite** 100 csks., Hercules Powder Co., Rotterdam
GUM—Damar, 61 cs., Brown Bros & Co., Singapore; 39 bgs., Brown Bros & Co., Singapore
IRON ORE—5,283,000 kilos, Order, Benisaf
LIME—Chlorinated 10 cs., H Kohnstamm & Co., Liverpool
MAGNESIA—Calcined, 24 cs., Order, Manchester
MAGNESITE—7,182 bgs., Harbison, Walker Refractories Co. Trieste; 4,531 crts., Harbison, Walker Refractories Co., Trieste; **Caustic** 126 bbls., **burned,** Order, Trieste
MOLASSES—Blackstrap, 195,700 gals., North American Trading & Import Co., Media Luna; 379,327 gals., North American Trading & Molasses Co., Cienfuegos; 1,965,682 gals. North American Trading & Molasses Co., Cienfuegos
NAPTHALINE—567 bags, Order, Rotterdam
OCHRE—30 bbls., Order, Marseilles; 106 csks., Order, Marseilles
OIL—Olive, 35 cs., Union Nat Bank, Leghorn; 275 cs. Order, Leghorn; 1 bbl., Giuseppi Lodi, Messina; 50 bbls., Order, Malaga; 7 cs., J A Natiello & Co., Messina; 500 cs., Order, Genoa; 100 cs., Order, Genoa; 200 cs., Order, Leghorn; 50 cs. Order, Genoa; 100 cs., Swinger & Binenstock, Genoa; 750 cs., Order, Genoa; **Palm Kernel,** 29 csks., Franklin-Fourth St Nat Bank, Hull; **Sulfur Olive,** 104 bbls., Odder, Leghorn; 100 bbls., Phila-Girard Nat Bank, Naples; 1,000 bbls., Order, Messina; 300 bbls. Order, Messina
OIL VARNISH—25 cs., Franklin-Fourth St., Nat Bank, Bremen
PEAT MOSS—1,070 bls., Order, Bremen
POTASH—9 csks., Order, Bremen; **Muriate,** 5,000 bgs., Societe Commerciale des Potasses d'Alsace, Antwerp; **Silicate,** 10 csks. Phila Quartz Co., Rotterdam
SHELLAC—130 csks., Ralli Bros., Bremen; 75 bgs., Phila-Girard Nat Bank, Calcutta; 575 bgs., Order, Calcutta
SODIUM—Phosphate, 20 usks., R W Greeff & Co., Antwerp; **Sulfur,** 100 csks., Order, Antwerp
SUMAC—350 bgs., Drueding Bros & Co., Messina; 350 bgs., Order, Messina; 224 bgs., Order, Messina
WOOL GREASE—50 bbls., Franklin-Fourth St. Nat Bank, Bremen
WOODPULP—1,167 bls., Castle & Overton, Inc, Bremen; 935 bls., Bulkley, Dunton & Co., Bremen

Nov. 10 to 17

ACID—Formic, 74 crbys., Order, Hamburg
AMMONIAC—Salt, 120 csks., Harshaw, Fuller & Goodwin Co., Rotterdam
BAUXITE—2,242 tons, Republic Mining & Mfg Co., Georgetown, Dem; 8,400 tons, in bulk, Guaranty Trust Co., Sebenico; 100 tons, in bags, Guaranty Trust Co., Sebenico; 2,461 tons, **crude,** Republic Mining & Mfg Co., Georgetown, Dem
BEESWAX—60 bgs., Franklin-Fourth St Nat Bank, Calcutta
BONES—373 bgs., Swift & Co., Rosario; 510 bgs., Swift & Co., Buenos Aires
CHEMICALS—26 csks., International Acceptance Bank, Inc., Rotterdam; 290 hampers, Order, Hamburg; 29 cs., Order, Hamburg; 10 bbls., Order, Hamburg
CHLORIDE—Ammonium, 42 csks., Harshaw, Fuller & Goodwin Co., Rotterdam; 1 drm., **powder** Order, Hamburg
CHROMOXYDE—1 csk., Foote Mineral Co., Rotterdam
CLAY—China, 6,719 tons, 10 cwt., Various Consignees, Fowey; 75 tons, Various Consignees Fowey
EXTRACT—Quebracho, 1,017 bgs., Tradesmens Nat Bank, Buenos Aires; 1,323 bgs., Tradesmens Nat Bank, Buenos Aires; 800 bgs., International Prodcts Corp., Buenos Aires
FLOUR—Tapioca, 1,456 bgs., Phila-Girard Nat Bank, Batavia; 787 bgs., Tradesmens Nat Bank, Batavia; 500 bgs. Goldman, Sachs & Co., Batavia; 310 bgs., Order, Batavia; 249 bgs., Order Batavia
GLYCERINE—235 drms., Hercules Powder Co., Rotterdam; 30 drms., **Crude,** Order Rotterdam; 20 drms., Order, Hamburg; 22 cyls., Order Havre
GUM—Copal, 482 bskts., Franklin-Fourth St Nat Bank, Calcutta; 64 bgs., Brown Bros & Co., Singapore; 64 bgs. Franklin-Fourth St Nat Bank, Singapore; **Damar,** 100 cs., Nat City Bank Batavia; 100 cs., Order, Batavia
LINSEED—7,322 tons, Order, Buenos Aires & Rosario; 17,024 bgs., Louis Dreyfus & Co., Buenos Aires
MANURE—Meal, 508 bgs., Order, Stockholm
MOLASSES—864,000 gals., Penna Sugar Co., Port Tanamo; 482,226 gals., Lowry & Co., Inc., Port Tarafa
MYROBALANS—4,000 packets, Standard Bk of So Africa, Ltd., Calcutta; 5,095 packets, Order, Calcutta
ORES—Pyrites 7,303 tons, The Pyrites Co., Huelva
PEAT MULL—1,340 bls., Order, Bremen
POTASH—4,500 bgs., French Potash Society, Dunkirk; 227,000 kilos, French Potash Society, Dunkirk
POTASSIUM—Culosure 650 bgs., French Pot Society, Havre
SALT—Chemical, 20 cs., Harshaw, Feller & Goodwin Co., Hamburg; **Glauber,** 1000 bgs., Order, Hamburg; 125 bbls., Order, Hamburg
SHELLAC—120 scks., Ralli Bros., Rotterdam; 75 bgs., Ralli Bros., Bremen; 25 bgs., Order, Calcutta
SODIUM—Nitrate, 1,540 bgs., R W Greeff & Co., Stavanger; **Silico Fluoride,** 81 bbls. Order, Copenhagen; 508 bgs., Order, Copenhagen
STARCH—Potato, 500 bgs., Stein, Hall & Co., Rotterdam
SYLVANITE—15,000 kilos, French Potash Society, Havre
WOOL GREASE—100 bbls., Pfaltz & Bauer, Bremen
WOODPULP—Dry, 275 bls., Scandinavian Pulp Agency, Inc., Gefle; **Dry Chemical** 800 bls., Irving Bank, Columbia Trest Co., Drammen; 900 bls., Perkins & Goodwin, Oslo; 150 bls., E M Sergeant Co., Oslo; **Dry Sulfate,** 200 bls., Brown Bros & Co., Norresundet; **Dry Sulfite,** 500 bls., Bulkley, Dunton & Co., Gefle; 1,600 bls., Phila-Girard Nat Bank, Oslo; 600 bls., J Andersen & Co., Inc., Oslo
WHITING—600 bgs., Am Exchange, Pacific Nat Bank, Havre; 1,000 bgs., Order, Havre

IMPORTS AT NEW ORLEANS

Nov. 5 to 12

BAUXITE—2,317 tons, Republic Mining Co., Georgetown
CREOSOTE—8,515 tons, American Creosoting Co., Antwerp
OLIVE—Oil, 26 tons, Order, Genoa; 1,016 cs. Order, Marseilles
OCHRE—20 casks, Order, Havre
MOLASSES—1,300,000 gallons, Leon Peffer, Cienfuegos
SALT PETER—254 sacks, Order, Bremen
SODIUM NITRATE—40,472 sacks, W R Grace Iquique; **Pulp** 897 bales, Order, Scandinavia

IMPORTS AT BOSTON

Nov. 6 to 13

ACID—Formic, 448 bals., R & H Chemical Co., Rotterdam; **Oxalic,** 35 csks., R & H Chemical Co., Rotterdam
BARYTES—500 bags, R & H Chemical Co., Rotterdam
BUTTONLAC—50 chsts., Rogers Pyatt Shellac Co., Calcutta
CHALK—500 tons, Order, London
CHEMICALS—69 csks., Hunnell & Robinson Corp., Rotterdam; 60 drums, A Klipstein Co., Rotterdam; 60 drums, R & H Chemical Co., Rotterdam
COLOR—Aniline, 10 kgs., Dyestuffs Corp of America, Liverpool
FULLERS EARTH—250 bags, L A Salomon & Bro., London
GAMBIER—260 cs., Order, Singapore
IRON—Oxide, 5 csks., J A McNulty, Manchester
MOLASSES—850,000 gals., Boston Molasses Co., Porto Rico
MURIATE—Ammonia, 120 csks., Kuttroff Pickhardt & Co., Rotterdam
OIL—Cod, 300 csks., Salem Oil & Grease Co., Norway; 80 csks., Wm Litchfield, Halifax; 49 csks., Marden Wild Corp, Halifax; 208 csks., J S Bent & Co., Halifax; 42 csks., Marden Wild Corp., St Johns; 100 csks., Munn & Co., St Johns; 8 bbls., C W Geiler, Yarmouth; 31 csks., Marden Wild Corp., Yarmouth; 302 bbls., Marden Wild Corp, Liverpool; **Cod Liver,** 25 bbls., American Express Co., Rotterdam; 230 bbls., United Drug Co., Rotterdam; 35 bbls., Eastern Drug Co., Rotterdam; **Sod,** 80 csks., J S Bent & Co., Liverpool
OSSEIN—2,487 bags, Kidder Peabody Acceptance Corp., London
POTASH—24 csks., I M Sabin Co., Rotterdam; 24 csks., John D Lewis, Rotterdam
SEEDLAC—1,000 bags, E S Parks Shellac Co., Calcutta; 400 bags, Int Banking Corp., Calcutta; 100 bags, National City Bank, Calcutta
SHELLAC—175 csks., Rogers Pyatt Shellac Co., Calcutta; 25 bags, Order, Calcutta
SODIUM—Sulphide, 60 drums, Seaboard National Bank, Rotterdam
WOOL GREASE—85 bbls., F W Damon, Liverpool; 200 bbls., Order, Liverpool

SYNTHESIS FROM COAL

(Continued from page 1194)

does not exceed 2 kilograms per kilogram of methyl alcohol and 3 kilograms per kilogram of isobutyl alcohol. The synthesis of alcohols appears, then, to be an adjunct to the manufacture of gas.

According to the nature of the catalytic agent alcoholic synthesis can furnish a whole series of organic products:

1. Alcohols: Ethyl alcohol, n.; propyl alcohol; isobutyl alcohol; amyl alcohol; hexyl acohol; heptyl alcohol; octyl alcohol; and higher alcohols.
2. Acids (free or combined): Formic, acetic, propionic, isobutyric, valeric, caproic, and higher acids.
3. Ethers and esters: Dimethyl ether, methylformate and others.
4. Aldehydes and ketones: Isobutyric aldehyde, acetone, methyl ethyl ketone.
5. Hydrocarbons: Liquid hydrocarbons of the most diverse kinds.
6. Cyclic compounds.

Of original elements that enter into composition of alcohols, it does not seem that carbon could be derived from a cheaper raw material than bituminous coal, nor that hydrogen (save as a by-product that will rarely be very abundant) could be produced more economically than by the decomposition of water vapor on coal. Among the other elements of cost, compression involves an important consumption of mechanical energy that can be evacuated at a half of a kilowatt hour per cubic metre of gross gas treated. The accessory services (manufacture of gas, electric heating of catalysis tubes, etc.) does not represent more than half this figure, so that an expense of 2.2 to 2.8 kilowatt hours per kilogram of methyl alcohol obtained and from 3.70 to 4.80 kilowatt hours (per kilogram of isobutyl alcohol) according to the purity of the gas employed would suffice.

Operation of synthesis apparatus requires relatively little manual labor. Expenses for up-keep and repair vary very much according to perfection of equipment used. It is chiefly the compressors, valves and points. We estimate that the annual expense of up-keep can be taken at 5% of the value of the apparatus.

First cost is generally considered high, and it is certain that at present construction of apparatus for compression of gases at high pressures, seems costly, especially because the few specialized manufacturers collect on the first apparatus ordered rather high charges for design and development. But the development of the synthetic ammonia industry permits the technology of high pressures to improve continuously, and, the returns on this apparatus are good, so that its amortization takes place quickly. In France, equipment necessary for a production of 20 tons of methyl alcohol per day would likely not exceed $400,000 to $500,000.

From the above facts it is easy to deduce the total cost according to the stress that will be put on amortization, general expenses as well as the value of the coal. According to our opinion the total cost price of synthetic methyl alcohol under present conditions in the United States ought not to exceed 20 cents a gallon, and for other alcohols a figure proportional to the number of cubic metres of gas consumed, in relation to that corresponding to methyl alcohol.

Foreign Trade Opportunities

Chemicals	22089	Managua, Nicaragua	Agency
Chemicals, industrial	22908	Marseille, France	Agency
Chemicals, industrial	22911	Dresden, Germany	Agency
Film scrap	22911	Dresden, Germany	Agency
Magnesium, oxychloride	22914	Melbourne, Australia	Purchase
Nitrate of thorium and cerium	22912	Paris, France	Purchase

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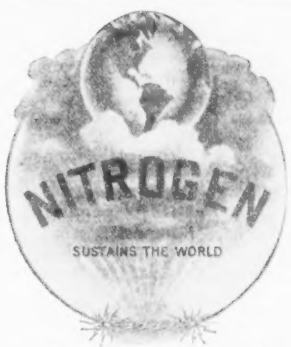

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Official Gazettes are published weekly by all the patent offices named above and contain selected claims.

Application date is given with each patent.

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614,921—Diazo Salts suitable for printing and dyeing. I. G. Farbenindustrie A. G. Jan. 15, 1926.

614,904—Improvements in Saponification Process. V. R. Kokatnur. April 22, 1922.

614,861—Capillary Filter Press. Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue. April 21, 1926.

614,862—Dissolving and Filtering Organic and Mineral Matter, apparatus. Compagnie Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, April 21, 1925.

614 871—Removing Dust from Fumes, apparatus. Compagnie des Mines D'Ostricourt. April 21, 1926.

614,913—Dehydration of Impure Ethyl Alchhol, process and apparatus. Societe Anonyme des Distilleries des Deux-Sevres. Nov. 19, 1925.

614,759—Absorbent for Liquids. J. Maly. April 19, 1926.

614 819—Obtaining Asphalt and Analagous Substances in fine state of subdivision, apparatus for. Naamlooze Vennootschaap de Bataafsche Petroleum Maatschapij. April 20, 1926.

614,909—Artificial Horn Products. O. Meier. April 22, 1926.

GERMAN PATENTS

Issued Oct. 7, 1926

431 863—Defibrating Bast Fibers with the aid of magnesium chloride solution. Dr. Georg Frank, Berlin-Dahlem. July 23, 1924.

431,836—Vacuum Evaporator. Wilhelm Vogelbusch, Duesseldorf, Germany. Nov. 23, 1923.

431 865—Electrical Gas Purifying Apparatus. Siemens-Schuckertwerke G. m. b. H., Berlin-Siemenstadt. Aug. 3, 1924.

431.932—Chemical Reactions, process and apparatus for. I. E. Streschein Chemische Fabrik G. m. b. H. and Dr. Philipp Hoenig, Berlin. Aug. 13, 1925.

431,758—Hydrogen from Water Gas and Steam. M. Frankl, Augsburg, Germany. July 7, 1923.

431,642—Stable Alkaline Earth Polysulphides Solutions. Egon Gluecksmann, Berlin-Schoeneberg. April 17, 1925.

431,865—Alkali or Alkaline Earth Sulphides from Sulphuric Acid Containing Refinery Wastes. Morduch Berko Trepel, Paris. Sept. 21, 1924.

431,933—Obtaining Carbon in Pulverized Form at low temperatures. Braunkohlen Produkte A. G., Berlin. May 29, 1924.

431,759—Silicon Carbide from Silicic Acid and Carbon. Alfred Reitz, Aschaffenburg, Germany. March 13, 1925.

431,760—Crystalline Sal Ammoniac. I. G. Farbenindustrie A. G., Frankfurt. Dec. 18, 1923.

431,617—Very Porous High Purity Barium Oxide from mixture of barium carbonate and carbon. Hermann Schulze, Bernburg, Germany. June 11, 1924.

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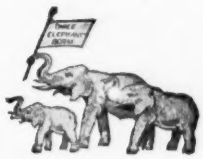

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431,643—Precipitating Barium Chloride from solutions. Rhenania Verein Chemischer Fabriken Actien-Gesellschaft, Aachen, Germany. Oct. 2, 1924.

431,618—Magnesium Carbonate with simultaneous production of ammonium salts. Dr. Bruno Waeser, Berlin. Feb. 24, 1923.

431,644—Working Up Chromium Ores. I. G. Farbenindustrie A. G., Frankfurt. March 23, 1924.

431,761—Separation of Hafnium and Zirconium. Naamlooze Vennooaschap Philips Gloeilampenfabrieken, Eindhoven, Holland. June 13, 1923.

431,752—Purification of Di Alkyl Xanthogenates. C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Jan. 29, 1924.

431,619—Phenol Formaldehyde Condensation Products. Carl Kulas, and Curt Pauling, Leipzig. Oct. 13, 1922.

431,765—Calcium Nitrate in solid form. I. G. Farbenindustrie A. G., Frankfurt, Feb. 14, 1925.

431,766—Calcium Nitrate Fertilizer. I. G. Farbenindustrie A. G., Frankfurt. June 20, 1925.

431,772-3—Azo Dyes. I. G. Farbenindustrie A. G., Frankfurt. Dec. 16-11, 1924.

430,558—Vat Dyes. I. G. Farbenindustrie A. G., Frankfurt. Aug. 21, 1924.

431,774-5—Derivatives of Benzanthrone Series. I. G. Farbenindustrie A. G., Frankfurt. Aug. 17, 1922 and Oct. 26, 1924.

431,776—Brown Wool and Leather Dyes. I. G. Farbenindustrie A. G., Frankfurt. May 22, 1923.

431,674—New Indigoid Dyes. Gessellschaft fuer Chemische Industrie, Basle, Switzerland. Nov. 9, 1924.

431,943—Bluish Green Dyes. I. G. Farbenindustrie A. G., Frankfurt. Dec. 25, 1923.

431,845—Oil Binding Agents, process. Chemische Fabriken Dr. Joachim Wiernik & Co., A. G., Berlin Waidmannsluft. May 7, 1922.

431,777—Coating Composition Containing Water Glass. Dr. Georg Kropfhammer, Berlin. Dec. 2, 1924.

431,634—Light Sensitive Silver Salt Emulsions. I. G. Farbenindustrie A. G., Frankfurt. Feb. 1, 1925.

GERMAN PATENTS

Issued Oct. 14 1926

432,112—Non-Alkaline Solutions or Pastes Containing Sulphur Colors. I. G. Farbenindustrie A. G., Frankfurt. March 15, 1924.

431,991—Extracting Vessel. Wilhelm Wiegand Apparatebau G. m. b. H., Merseburg Germany. Aug. 6, 1925.

432,032—Degreasing or Purifying Substances with the aid of heavy liquids. I. G. Farenindustrie A. G., Frankfurt. Jan. 27, 1925.

432,098—Carrying Out Catalytic Reactions between gases and vapors. Societe Chimique des Usines du Rhode, Paris. Feb. 21, 1930.

432,099—Sulphurous Acid and Oxides from Sulphates, process. Dr. Bambach & Co., G. m. b. H., Frankfurt. Feb. 21, 1914.

432,019—Chemically Pure Sulphuric Acid. process. Societe Anonyme de Produits Chimiques de Droogenbosch, Brussels, Belgium. Feb. 6, 1924.

432,201—Sodiumsulphate by decomposition of ferrous sulphate with sodium chloride. Verein fuer chemische und metallurgische Produktion, Aussig, Czechoslovakia. Oct. 21, 1924.

432,114—Pure Barium or Strontium Hydroxide. Rhenania Verein Chemischer Fabriken A. G., Aachen, Germany. Aug. 9, 1924.

432,152—Resinous Condensation Products from phenols and formaldehyde. Carl Kulas and Dr. Johannes Scheiber, Peipzig-Lindenau. Feb. 26, 1924.

432,202-3—Acid Free Resinous Condensation Products from phenols and aldehydes. Bakelite G. m. b. H., Berlin. Jan. 28, 1925.

432,252—Resinous Condensation Products From Phenols and Formaldehyde. Siemens & Halske A. G., Berlin-Siemenstadt. July 31, 1924.

432,178—Dyestuffs. Kalle & Co., Biebrich. Dec. 1, 1923.

432,216—Enrichening Earth Pigments. Wilhelm Winkler A. G., Halbau and Hermann Stocker, Sagan-Schoenthal, Germany. June 17, 1924.

432,279—Preventing Penetration Through Transparent Surfaces Dr. Even von Mueller, Charlottenburg, Germany. June 28, 1925.

415,796—Improving the Odors of Oils and Fats. Sigismund Robertson, Berlin-Wilmersdorf. May 30, 1923.

432,051—Tanning Animal Hides. Chemische Fabriken Dr. Kurt Albert G. m. b. H., Amoeneburg, Germany. May 29, 1924.

431,959—Mixtures of Gases and Liquid, apparatus. George Constantinesco, London. Jan. 23, 1923.

432,025—Extremely Finely Ground Solid Substances or Colloidal Solutions, apparatus for. Oderberger Chemische Werke A. G., Oderberg, Czechoslovakia. Jan. 15, 1924.

[*New Incorporations*]

Wholesale Dry Cleaners & Dyers, Buffalo, N. Y.; $25,000; D. Heidersdorf, L. J. Lannin, J. Woolhandler.

Hispanic Institute for Medical Research, New York; chemicals; $10,000; J. Dinnes, J. Greenspun.

Leggod Mfg. Corp., Brooklyn, N. Y., $50,000; soaps and chemicals; G. H. Goldner, M. Goldner, J. Goldner.

Texas Mining Co., Dover, Delaware; $100,000; mineral; T. S. Cabiness, A. E. Goods, W. W. McClister.

Supreme Rayon Co., New York; $10,000; silks; W. E. Tucker, S. Churgin, S. D. Levine.

Herman Deutsch & Co., Inc., Passaic, N. J., linen goods; $50,000; Benjamin Levine, Harry Levine, Louis J. Lammard.

Capto Products Co., Inc., Belleville, N. J., $25,000; chemicals; Daniel A. Williams, Raymond A. Smith, Water M. Joule, John J. Mazza.

Rezeena Rubber Goods Mfg. Co., New York; $10,000; R. Auerbach, A. Auerbach, J. A. Lima.

Venitian Tile & Marble Corp., New York; 100 common, no par; H. Bucciantini, Q. Bucciantini, J. Di Frenza.

H-V Oil Corp., Albany, N. Y.; 1,000 common, no par; petroleum, W. B. Vernoy, L. W. Herzog, J. W. McLaughlin.

American Portland Cement Co., Camden, N. J.; $500,000; F. R. Hansell, A. Celeow, John A. Mac Peak.

Dureeve, Inc., North Plainfield, N. J.; deal in vegetable oils; 1,000 shares, no par value; John H. Fethertston, Franklin R. Fetherston, Arthur R. Walker.

Rit Products Corp., Wilmington, Del.; $3,300 000; soaps, dyes.

Wyoming Interstate Petroleum Corp., Wilmington, Del.; $500,000.

American Fertilizer & Chemical Works, Inc., Wilmington, Delaware; $250,000; minerals.

Buffalo Tanners, Buffalo, N. Y., 3,000 shares Class A, 9,000 shares Class B, both no par; B. G. Tallman, J. C. Huebner, D. R. Levi.

Tisit, Inc., Camden, N. J.; 300 shares, no par value; chemical products; Leonard W. Roseblaut, Walter E. Clayton, Helen M. Kaerky.

Hydrocarbon Products Corp., Wilmington, Del.; $16,000,000; trade marks, names.

Missouri Colite Products Co., Wilmington, Del.; $500,000; limestone.

Haroko Co. Inc., Dover, Del.; $250,000; chemicals.

Southern Annite, Inc., Wilmington, Del.; $100,000; washing and cleaning compounds; M. M. Lucey.

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The Editor's Correspondence

EDITOR, CHEMICAL MARKETS

I was interested to read the article in your issue of 11th November, written by R. Beselin, on "Why Pyridine is Not Weak."

As one of the largest importers in the U. S. A., of pyridine of British manufacture, we were exceedingly intrigued by Mr. Beselin's summing up of the present situation in so far as he states that the "English producers are at the moment out of the picture on account of the strike, and will not come in for many months after the strike is over."

Mr. Beselin is evidently misinformed on this point, and we would advise any of the American consumers of Pyridine, who may be interested in this material, that English producers are in a position to quote them on British-made goods, for any delivery they may want from this month till December, 1927.

The article we refer to happened to be placed above a small paragraph in your same issue, which gave the total imports of Pyridine for 1925 as 789,077 pounds, of which the British producers supplied 626,313 pounds, and with all due respect to Mr. Beselin, we can assure the trade that British producers are in a position to supply exactly the same ratio at any moment the American users may require same.

Yours very truly,

AMERICAN BRITISH CHEMICAL SUPPLIES, INC.
E. H. Watson,

Nov. 11, 1926.

CAPITAL INCREASES

United Clay Products Corp., Kansas City, Mo., $25,000,000 to $25,450,000.

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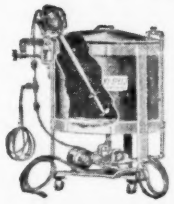

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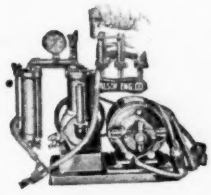

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Bids and Proposals

OXYGEN—The superintendent of light houses, Staten Island, N. Y., will open bids June 21, pro. 21915, for 30,000 cu. ft. oxygen during the six months ending December 31.

ACETYLENE—The quartermaster, marine bar racks, Quantico, Va., will open bids June 25 for acetylene gas for lighting purposes during the 6 months ending December 31.

OXYGEN—The quartermaster, marine bar racks, Quantico, Va., will open bids June 25 for oxygen for welding purposes during the 6 months ending December 31.

Business Opportunities

WOULD LIKE to hear from some one having plant with spare tanks that could be used for manufacturing products that we have a regular sale for. Would consider consolidation of interests. Should be in or around Newark. Address S. G. 810 Broad St., Newark, N. J.

HYDROGEN PEROXIDE — Chemist having patented process for making Hydrogen Peroxide (elocrolytical method) for 8 cents per gallon (ten volumes) wants connection with party interested. Box 610, CHEMICAL MARKETS.

TO INVENTORS and promoters: Let us make up your product for you. We have steam kettles and plant equipment in excess of our present needs. Light manufacturing. Chard & Howe, 256 Front St., New York, N. Y.

SALESMAN—large following, heavy chemicals for many industries, Philadelphia territory. Would manufacturer or large jobber open branch, carry spot stocks in this vast territory? Ten years experience. Box 606 CHEMICAL MARKETS.

Situation Wanted

NOW AVAILABLE a man who is peculiarly fitted for assistant to high executives in the chemical or allied industries. Present employment executive where tact, chemical knowledge and ability to deal and correspond with business men and employes are prerequisites. 39 years of age, a post-graduate American chemist. For details write Box 611, CHEMICAL MARKETS.

YOUNG CHEMIST (Baltic National) seeks suitable position in America. Address: Herbert Ottas, Sneda taen No. 7, Kortel 3, Reval, Esthonia, Europe.

CHEMICAL SALES and sales promotion. Young man, eight years' experience actual selling and inside mail sales promotion; charge advertising and correspondence; technically trained; available immediately. Box 586, CHEMICAL MARKETS

FOR SALE—Complete files of DRUG & CHEMICAL MARKETS, unbound, $5.00 a volume.

DESIRE CONNECTION with manufacturer of pharmaceuticals or flavoring extracts in bulk to offer jobbing trade for Chicago and Middle West on commission basis. Address Meyer Kantrow, 16 South Peoria St., Chicago, Ill.

EXPORT MAN with sixteen years experience here and as traveling representative through Spanish America, very capable and hard worker wishes responsible position with first class firm. Fluent English, Spanish and French. Highest credentials. Box 608, CHEMICAL MARKETS.

Help Wanted

LABORATORY ASSISTANT — Young man wanted as assistant in large industrial chemical manufacturer's plant. Laboratory testing and analytical work principally with opportunity to assist in research problems. Salary $1,800. Full particulars in application. Box 504, CHEMICAL MARKETS.

SHIPPING CLERK familiar with packing of chemical products wanted to take charge of warehouse in Brooklyn. Box 506, CHEMICAL MARKETS.

SODA ASH—115 barrels offered for resale by manufacturer. No brokers or agents. Well known brand in good condition. Will be delivered in Metropolitan district by our own truck. What bids? Box 507, CHEMICAL MARKETS.

WANTED—Assistant to Sales Director of large chemical and oil jobbers in Metropolitan District. Must have real initiative and executive ability. Excellent opportunity for right man. State age, experience, and salary expected. Communications treated confidential. Box 600, CHEMICAL MARKETS.

INDUSTRIAL ALCOHOL manufacturer desires to engage to act as representatives parties knowing the trade in large centers in Alabama, Arkansas, Colorado, Michigan, Missouri. North Carolina, South Carolina, Ohio, Oklahoma, Tennessee, Texas, Virginia, West Virginia, Georgia and northeastern states. Give full references and experience. Box 607, CHEMICAL MARKETS.

WANTED—Salesman familiar with Soap Manufacturers trade to take a side line for importer. Box 613, CHEMICAL MARKETS.

RUBBER CHEMIST—Manufacturer requires service of technical man with practical plant experience. Box 505, CHEMICAL MARKETS.

CHICAGO CHEMICAL and color house seeks salesman for middlewestern territory Must live in Chicago. State history, experience. Give all details possible; also salary expected. Box 585, CHEMICAL MARKETS.

SALESMAN WANTED in the East and Middle West for successful by-product (specialty non-competitive) used in the soap industry. Must be thoroughly acquainted in this field. Good future. Write full particulars as to experience, etc. Box 538, CHEMICAL MARKETS.

Miscellaneous

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THE undersigned desires to make connections with American manufacturers of Aniline Oil for the sale of their product in this territory. Address: Societe de Commission, Tcheco-Roumaine, Boulevard Maria 1, Bucarest, Roumania

CAPITAL WANTED — for development of Kaolin property. Extensive deposit Very High Grade Kaolin, located in South on R. R. and Creek. Box 612, CHEMICAL MARKETS.

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Local Market Conditions

The general interest throughout the country in alcohol and glycerin, which was noted in the previous reports from all sections of the country are again apparent in this group. These together with the activity in the Newark district in a new product named thermo glycerin seem to mark the principal movements. Some sections report a noticeable increase in the contract for 1927 on alkalis and sodas. Otherwise the positions of the various markets are unchanged with a majority reporting a continuance of good chemical sales together with fair collections.

SAN FRANCISCO

Business in general on the Pacific Coast continues good and this is also true of the chemical trade here. In this district, denatured alcohol continues to attract the most interest on the entire list. Aside from this, the market in general is quite active with collections reasonably good.

DETROIT

General business conditions as well as the chemical business in the Detroit district have been fairly good over the past two weeks. The items outstanding as the most active were chromic acid, alcohol, glycerin and nickel sulfate. Although consuming interest on all these was good, there were no price advances. The general line of acids has been neglected of late and are passing through a rather quiet period. Collections are reported as good.

KANSAS CITY

Though business in general in this district is only fair, the conditions in the chemical industry continue quite good with the sales of alcohol and glycerin still the outstanding features on a good market. Sellers have advanced their price on glycerin 1c lb. Barium

Massachusetts

Rogers & McClellan
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Seaboard Chemical Co.
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Franco-American Chemical Wks.
Amyl Acetate Pyroxylin Solutions
Atlantic Carbonic Co.
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Local Market Conditions

salts and paint materials in general have not shown any signs of recovering from the routine position which they have been in. Collections are still poor and in spite of the present good business, there seems a growing conviction that business will not continue at the brisk rate of the current year.

NEWARK

Both chemical sales and business conditions in general in the New Jersey district are good and show signs of further improvement. Among the active items contract work for 1927 on alkalis stands out with sellers in this territory busy taking business on the contract basis for the coming year. There are no items which are particularly inactive, and the price changes, if any, were not worthy of comment. A new product, thermo glycerin for anti-freeze purposes, has been introduced on this market and is proving very popular with a good volume of sales noted. It is beginning to have its effect on the price of pure glycerin. Collections for the district continue good.

BUFFALO

The good movement in alcohol continues as the outstanding article on the Buffalo market. The rosin market, which has been weak over the past few weeks was attracting more interest last week. Conditions in the chemical trade are good and this is characteristic of business in general in the western New York territory. The downward movement in the ammonia market caused by the competition of the synthetic manufacturers, was the principal sign of weakness. In conformity with the movement at the New York market, an advance was noted last week in the price of shellac. Collections for this district continue good.

New York

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The Chemical Market-place

Spot Stocks Department

Ohio

COLORS
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ALCOHOL GLYCERINE
Henry L. Grund Co.
Bulkley Bldg.
CLEVELAND, OHIO

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Laboratory Service
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450 Chestnut St., Phila.
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Sal Ammoniac Blanc Fixe

Local Market Conditions

CLEVELAND

The past week has shown a slackening in the chemical sales in the Cleveland territory, although general business conditions continue good. Sales during the early part of November were in good volume, but the only items showing marked activity last week were alcohol and glycerin. The demand for rosins and turpentines was very poor and the market for each was dull. Collections are improving.

PHILADELPHIA

The condition of the chemical industry in the Philadelphia district is improving. There was an active demand last week for sal ammoniac castor oil, glycerin and alcohol, with the result that the price on castor oil took a noticeably firmer tone, and while the other prices were unchanged they are steady at the previous levels. Contracts are being placed at the moment for quite a few items for the coming year, and there are some small orders coming through for current requirements as well as several large inquiries. General business conditions outside of the chemical business are fair as are collections.

DALLAS

Business conditions in the Southwest territory are at this time more or less contingent on the cotton position. Business has been better since the second government report on the cotton crop. There has been a decline in rosins over the past two weeks and conversely advances in alcohol, oxalic acid and a general advance in all sulfur products. Sulfate of alumina was the first item to feel the advance on sulfuric acid. Sellers are busy with contracts on soda for the coming year on the basis of the new prices. Business in general seems steady, but the merchants are beginning to complain of their collections.

Rhode Island

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and CO., INC.
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CALCIUM CHLORIDE
AMMONIA
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Buyers Guide

ACIDS

Coal-Tar

American-British Chemical Supplies, Inc.
Baird & McGuire, Inc.
Barrett Co.
Calco Chemical Co.
Cooper & Co., Charle s
Du Pont de Nemours, & Co., E. I.
Greeff & Co., R. W.
Innis, Speiden & Co.
Jordan & Bro., Wm. E.
Monsanto Chemical Works
Roessler & Hasslacher Chemical Co.
Tar Acid Refining Corp.

Organic

American Cyanamid Co.
Cleveland-Cliffs Iron Co.
Cooper & Co., harles
Eastman Kodak Co.
General Chemical Co.
Grasselli Chemical Co.
Gray & Co., William S.
Greeff & Co., R. W.
Heyden Chemical Corp.
Innis, Speiden & Co.
Mallinckrodt Chemical Works
Monsanto Chemical Works
Roessler & Hasslacher Chemical Co.
Victor Chemical Works

Mineral

American Cyanamid Co.
Cooper & Co., Charles
Du Pont de Nemours & Co., E. I.
General Chemical Co.
Grasselli Chemical Co.
Heyden Chemical Corp.
Monsanto Chemical Works
Pennsylvania Salt Manufacturing Co.

ALCOHOL

Denatured

American Solvents & Chemical Corp.
Berg Industrial Alcohol Co., David
Commercial Solvents Corp.
Federal Products Co.
Gray & Co., William S.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co.
U S. Industrial Alcohol Co.

Methanol

Cleveland-Cliffs Iron Co.
Cooper & Co., Charles
Gray & Co., William S.,
Greeff & Co., R. W.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co.

ALKALIES

Arnold, Hoffman & Co.
Church & Dwight
Electro Bleaching Gas Co.
Grasselli Chemical Co.
Innis, Speiden & Co.
Mathieson Alkali Works
Michigan Alkali Co.
Niagara Alkali Co.
Pennsylvania Salt Manufacturing Co.
Roessler & Hasslacher Chemical Co.
Solvay Process Co.
Warner Chemical Co.
Winkler & Bros., Co., Isaac

ALUMS

Cooper & Co. Charles
General Chemical Co.
Grasselli Chemical Co.
Greeff & Co., R. W.
Innis, Speiden & Co.
Monsanto Chemical Works
Pennsylvania Salt Co.
Roessler & Hasslacher Chemical Co.

AMMONIA or SALTS

Barrett Co.
Benkert & Co., W.
Cooper & Co., Charles
Dow Chemical Co.
General Chemical Co.
Grasselli Chemical Co.
Greeff & Co., R. W.
Innis, Speiden & Co.
Mallinckrodt Chemical Works
Mathieson Alkali Works
Roessler & Hasslacher Chemical Co.
U. S. Industrial Chemical Co., Inc.

DYE & TAN STUFFS

American-British Chemical Supplies, Inc.
Arnold, Hoffman & Co.
Calco Chemical Co.
Du Pont de Nemours & Co., E. I.
General Dyestuff Corp.
Monsanto Chemical Works
National Aniline & Chemical Co.
Newport Chemical Works
Seaboard Chemical Co.
Starkweather Co., J. U.

FILLERS & CLAYS

American-British Chemical Supplies, Inc.
Arnold, Hoffman & Co.
Hammill & Gillespie
Innis, Speiden & Co.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Wishnick-Tumpeer Inc.

PIGMENTS & COLORS

Cabot, Godfrey L.
Calco Chemical Co.
Cooper & Co., Charles
Du Pont de Nemours & o., E. I.
General Dyestuff Corp.
Industrial Chemical Co.
Innis, Speiden & Co.,
National Aniline & Chemical Co.
Newport Chemical Works
Wishnick-Tumpeer, Inc.

ACCELERATORS

American Cyanamid Co.
Cleveland-Cliffs Iron Co.
Dowan hemical Corp.
Dow Chemical Co.
Du Pont de Nemours & Co., E. I.
Grasselli Chemical Co.
Greeff & Co., R. W.
National Aniline & Chemical Co.
Roessler & Hasslacher Chemical Co.

FERTILIZER SUPPLIES

American Cyanamid Co.
Barrett Co.
General Chemical Co.
Greeff & Co., R. W.
Innis, Speiden & Co.
Roessler & Hasslacher Chemical Co.

INSECTICIDES

Dow Chemical Co.
General Chemical Co.
Grasselli Chemical Co.
Greeff & Co., R. W.
Jordan & Bros., Wm. E.
Roessler & Hasslacher Chemical Co.

INDUSTRIAL CHEMICALS

American-British Chemical Supplies, Inc.
American Cyanamid Co.
American Solvents & Chemical Corp.
American Potash & Chem. Corp. (borax)
Arnold Hoffman Co.
Baird & McGuire, (cresols)
Barrett Co., The
Cabot Godfrey L. (carbon blk.)
Carbide & Carbon Chemical Corp.
Carus Chemical Co.
Church & Dwight (soda bicarb.)
Cleveland-Cliffs Iron Co. (wood chem.)
Commercial Solvents Corp. (butanol)
Cooper Charles & Co.
Croton Chemical Corp.
Dovan Chemical Co. (rubber accel.)
Dow Chemical Co.
Du Pont de Nemours & Co. E. I.
Emery Candle Co.
Electro Bleaching Gas Co. (chlorine)
General Chemical Co.
Grasselli Chemical Co.
Gray William S. & Co., (wood chem)
Greeff & Co., R. W.
Industrial Chemical Co.
Innis, Speiden & Co., Inc.
International Salt Co.
Mathieson Alkali Works
Merchants Chemical Co.
Michigan Alkali Co.
Miner-Edgar Co. (wood chem.)
Monsanto Chemical Works
Niagara Alkali Co.
Pacific Coast Borax Co.
Parsons & Petit (sulfur)
Pennsylvania Salt Manufacturing Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co. (wood chemicals)
Selden Co
Solvay Process Co. (alkalies)
Starkweather Co., J. U.
U. S. Industrial Alcohol Co., Inc.
U. S. Industrial Chemical Co., Inc.
Victor Chemical Works
Warner Chemical Co.
Wiarda & Co., John C.
Winkler & Bros. Co., Isaac (alkalies)
Wishnick-Tumpeer Inc.

SOLVENTS

American-British Chemical Supplies Inc.
American Solvents & Chemical Corp.
Barrett Co., The
Berg Industrial Alcohol Co., David
Commercial Solvents Corp.
Cooper & Co., Charles
Dow Chemical Co.
General Chemical Co.
Grasselli Chemical Co.
Gray & Co., William S.
Greeff & Co., R. W.
Industrial Chemical Co.
Innis, Speiden & Co.
Miner-Edgar Co.
Roessler & Hasslacher Chemical Co.
Seaboard Chemical Co.
Uhe, George
U. S. Industrial Alcohol Co.
U. S. Industrial Chemical Co.
Warner Chemical Co.
Wishnick-Tumpeer, Inc.

COAL-TAR, CRUDES & INTERMEDIATES

American-British Chemical Supplies, Inc.
Baird & McGuire, Inc.
Barrett Co., The
Cooper & Nephews, Wm.
Calco Chemical Co.
Du Pont de Nemours & Co., E. I.
General Dyestuff Corp.
Grasselli Chemical Co.
Gray & Co., William S.
Mathieson Alkali Works
Monsanto Chemical Works
National aniline & Chemical Co.
Newport Chemical Works
Tar Acid Corp.
Wishnick-Tumpeer, Inc.

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Champion Container Co.
Fetter Steel Barrel Co.
Bemis Bros. Bag Co.

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